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DRUG & CHEMICAL MARKETS

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A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

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VOL. XVI

NEW YORK, FEBRUARY 25, 1925

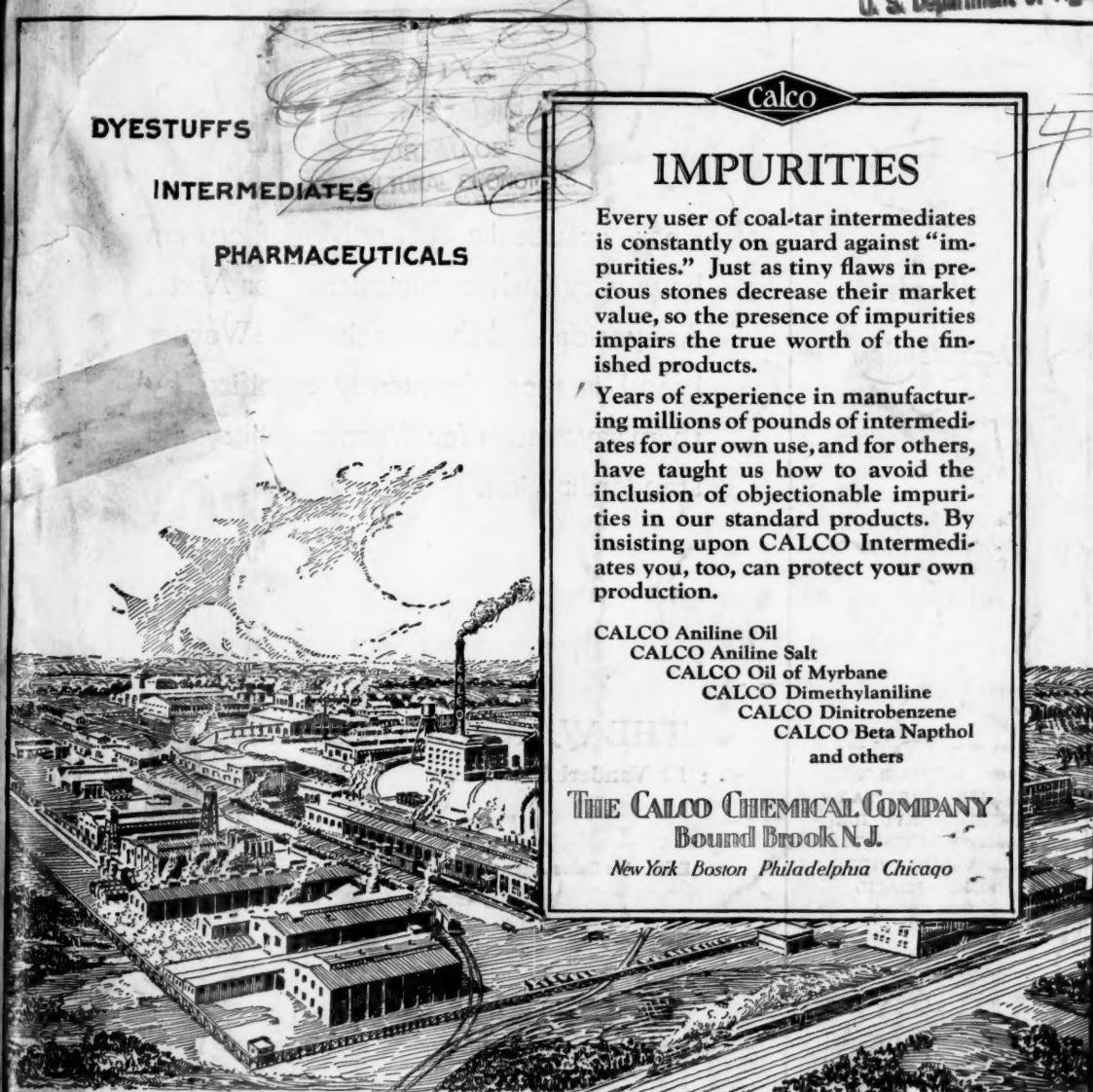
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In This Issue { Dr. Schuster on the Newest Solvent
Primary Market Crude Drug Prices

Acetic Anhydride



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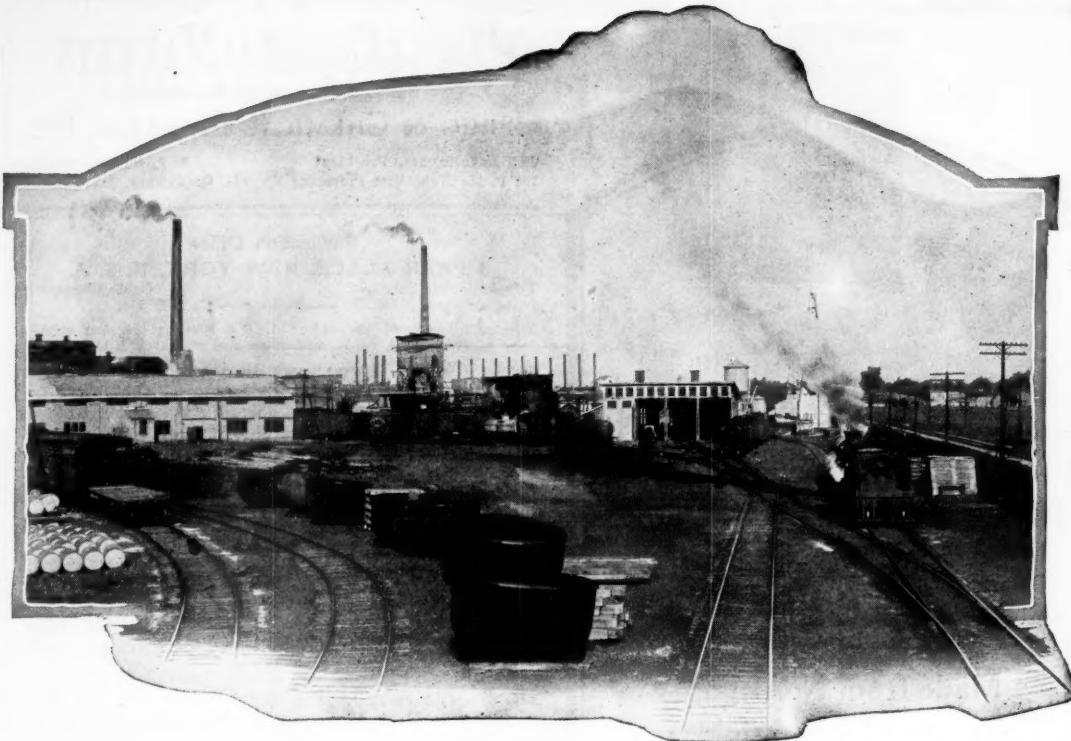
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[FEBRUARY 25, 1925]



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VOL. XVI

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The Week in Brief

News

Formation of a new German dye trust to compete in the markets of the world and to recapture the American textile market is confirmed by advices received in New York.

Dr. J. Fritz Schuster has written an article for "Drug and Chemical Markets," on "Cyclohexanol, a new solvent."

The market position of leading crude drugs is discussed by D. L. Silverman in this issue of "Drug and Chemical Markets."

Mathieson Alkali Works earned less in 1924 than in 1923, but President Allen reports that changes in the company's plants will be completed soon and the year 1925 promises better business.

A report on the dyestuff situation in the calf leather tanning industry, reviewing the cost of tanning materials in Europe and prices at which tanning materials can be bought in the United States, has been made by the Bureau of Foreign and Domestic Commerce in co-operation with the Tariff Commission.

Markets

Industrial chemicals register but little change and market generally quiet but firm. Barium chloride lower for shipment. Potassium chlorate higher. Carbon bisulfide easy.

Intermediates quiet owing to small buying of dyestuffs in textile quarters. Demand for accelerators reported good. Ortho-nitrotoluene and ortho-toluidine higher. Crudes unchanged.

Linseed oil continues steady at last week's reduction with Chinawood oils still easy and other vegetable oils quiet. Animal oils show small demand and an easy tone with fish oils remaining quiet.

Fine chemicals are in fair demand only. Alcohol has been cut by makers. Codliver oil firm for shipment. Imported citric and tartaric acids firm.

Essential oil market is featured by firmness in the Messina essences. Oil pennermint advances again. Oil cedar wood in better supply.

Crude drugs are showing a disposition to ease off. Senna root easier. Cascara sagrada offered more freely. Cardamoms scarce.

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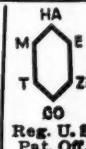
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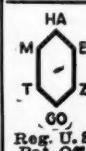
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[FEBRUARY 25, 1925]

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DRUG & CHEMICAL MARKETS

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NEW YORK, FEBRUARY 25, 1925

No. 8

SIMPLIFIED CONTRACTS

In one of the many busy bureaus in Mr. Hoover's Department they are drafting two uniform contracts under which, it is planned to do all purchasing of basic raw materials and fabricated goods for all uses of the Federal Government. This is a logical step both in the standardization of Government buying and in the broad simplification campaign that is being so actively and energetically and successfully fostered by the Secretary of Commerce. The Department expresses confidence in its ability to draft contracts so broad that only two forms will be necessary; and their work is under legal advice from the Attorney General's office and with the cooperation of the Association of Purchasing Agents.

About a year and a half ago a Joint Committee, representing the Manufacturing Chemists, the Synthetic Organic, and the Salesmen's Associations drew up a uniform chemical sales contract. Very competent legal advice pronounced that contract sound. Many leaders in all branches of the industry recognized its advantages. It was drawn up along lines suggested by the Purchasing Agents, and would have had their official endorsement, had it not been torpedoed in a way not very complimentary to certain branches of the chemical trade. It is a bit ironical that these same branches are large purveyors to the Government and they are in a fair way of being instructed to sell under a uniform contract very similar in terms and almost identical in form to the one they did not support when drawn up by the chemical industries. It is more than ludicrous that the terms of sale of chemicals should not only be dictated by the buyer, but the sales contract also drawn up by his own lawyers.

THE SEWAGE OPPORTUNITY

Some years ago, it was said that great cities always seem to be located on large rivers. Later, someone remarked that Manhattan is an island entirely surrounded by sewage. The real facts are that America, east of the Mississippi, is located on a thousand and one large and small rivers and big and little lakes, and that these waters are supposed to furnish food, drink, an industrial and domestic solvent, bathing, sewage disposal, and scenery. This is a large order and can no longer be filled

except by great effort. If rivers were long enough and lakes big enough, and there were fewer people, there would be no sewage problem. The hard cold facts must be faced.

The chemical industry is vitally interested, and as it has already done a good job in making drinking water minus typhoid possible, it should go on and attack the sewage problem. An outstanding agent for this purpose is chlorine, a cheap and effective oxidizing agent. Chlorine is steadily increasing in use in disposal plants of various kinds ranging from the chlorination of raw unscreened sewage to the latest word in sewage effluent. The problem is a very complicated one and not to be solved overnight, but it must be solved chemically. Sewages are chemical and biological bodies plus water. The products of sewage disposal are some fertilizer and water and this water must be used again and again. Sewage treatment, like charity, should begin at home. The day of passing on your sewage by some convenient river to your neighbor further downstream is about over—unless you can render the sewage innocuous. This is a problem of chemistry and an opportunity for the whole chemical industry.

KILL IT!

Senator Borah would like to return the German property seized during the war, including the chemical patents on which American companies have spent hundreds of thousands in research work in order to make them workable. Having obtained the legal ownership, the German companies will immediately seek to enjoin manufacturers in the United States from selling similar products here and will flood the American market with the "original and only" this and that "made in Germany." Senator Borah cares very little for American industries built up at great expense. He would scrap many chemical factories and dye plants, the first line of defense, the only source of quickly available war gas in case of attack by an enemy.

The German owners of many of these patents were active in the United States during the war, devising plans to blow up arsenals, burning transportation facilities both by rail and water, and supplying funds to carry on a campaign of espionage that furnished the enemy with valuable in-

formation that culminated in the sinking of the Lusitania.

The patents and the plants of these secret, unfriendly aliens were seized under authority of Congress which passed the Trading-with-the-Enemy Act. The right to demand and take over enemy property was vested in the President of the United States, and supreme authority to act was given to him as a war power in a great emergency and his acts cannot be questioned or nullified.

Ever since the day of exposure and punishment of the country's secret enemies, bitter protests have been made by certain Senators and Representatives and by so-called citizens whose financial interests are bound up in German trade, in efforts to have the patent rights restored to German companies which even today are borrowing money in this country to develop dye and chemical plants which will make it possible for Germany to manufacture war material on short notice.

What sound reason is there for returning these patents? Why undo all the work of years done legally and justly under our own laws and the law of nations? Has the Senate lost its sense of proportion and its feeling of justice, or forgotten the misery and suffering caused by the war? We doubt it, and consideration of such a bill as the measure introduced by the Senator from Idaho should be brief and to the point. Kill it!

The precautions taken by the Bureau of Foreign and Domestic Commerce, Department of Commerce, to protect, as far as possible, American firms answering inquiries from foreign firms and corporations wishing to buy drugs and chemicals are explained by A. S. Hillyer of the Bureau in a recent issue of "Commerce Reports." If the transaction is to be on a credit basis the Bureau is able to give sources of credit information. The "Foreign Trade Opportunities," which are published in DRUG & CHEMICAL MARKETS, come from the field forces of the Departments of State and Commerce and are accompanied by detailed information regarding the foreign inquirers. No charge is made for the service, but American firms must register with the Bureau of Foreign and Domestic Commerce for admission to the "Exporters' Index." Leading firms testify to valuable and permanent sales contracts which have resulted from use of the service.

First the Germans borrowed six million dollars in the United States to improve their dye plants in order to be in a position to recapture the American market for textile and other colors. Now they have bought up American owned shares in German potash mines in order that certain interests may gain control of the German Potash Syndicate and advance prices on exports of potash to the United States. We are certainly helping Germany to recuperate all right, but the American dye industry and American agriculture will pay the bill.

Science and Sales

In sugar juice purification, aluminum sulfate treated with ammonium carbonate is used to replace lime with quicker evaporation, no scale formation, no inversion of the sugar, and complete removal of albumins.

The production of cyanamide has increased greatly in Switzerland owing to increased demand for phosphazote as a fertilizer. This is a mixture of urea and superphosphate running 4 to 11% nitrogen and 14% P₂O₅. New factories were built in 1924 at Rouen and Arras, France, and in the Pyrenees.

Hexylresorcinol, a new antiseptic for infections of the kidneys and urinal tract, reputed to be fifty times as strong as phenol in antiseptic power while producing no harmful effect on humans, has been developed by Johns Hopkins School of Hygiene and Public Health, headed by Dr. Veader Leonard after research work covering more than ten years.

Calcium chloride is superior to sodium silicate in curing concrete for road building purposes, according to tests made by H. J. Kuelling, published in the "Engineering News Record." The tests show quite conclusively that one of the most important factors in the proper curing of concrete is to prevent its exposure to the sun and wind.

Solutions of caustic soda and soda ash, applied directly to the surface under pressure, are being used to remove paint and varnish from automobiles for lacquering with the new butyl acetate products.

Copper amalgam is being used as a permanent filling in root cavities in teeth, according to "The Dominion Dental Journal," Toronto. This new filling is reputed to eliminate infection at the roots of the teeth which developed with the older types of fillings.

Lactates added to the wort in butyric fermentation of carbohydrates in the production of butyl alcohol, increase the yield of butanol and reduce the proportion of acetone formed.

Chlorine in flour in minute quantities improves the dough making qualities of flour for bread and other bakery products. The flour is treated so that about a half of one per cent. of the chlorine combines. Too much chlorine makes the flour sticky.

A fungicide for treating seed grain, patented in Great Britain, is made by mixing corrosive sublimate or other mercury salt with sodium phenolate, sodium cresolate, or salts of naphthol or chlorophenol. Salt is added to increase the solubility of the product.

Ill-smelling impurities in isopropyl alcohol, derived from hydrocarbon sources such as gases from petroleum cracking, may be deodored by treatment with 0.1 per cent. solution of potassium permanganate which has a selective oxidizing action on these impurities.

Kaolin may be bleached and impurities removed by putting it in suspension in a solution of sulfur dioxide (sulfurous acid) and passing the material over zinc in the form of small pieces in tubes.

Textile fabrics may be decorated with metallic silver by successive treatment with potassium iodide, silver nitrate and copperas solutions. Fixatives such as aluminums are used with bronze powders, metallized by mordanting in hot tin bichloride solution and cooking in a water suspension of silver.



Industrial Chemical SECTION

Cyclohexanol—The Newest Solvent

How the Latest Addition to the Family of Industrial Solvents, Colloid Carriers, Emulsifying Agents, and Plasticizers is Made and Used in Germany

By Dr. J. FRITZ SCHUSTER, Rosslau, Germany

CYCLOHEXANOL is known scientifically as hexahydrophenol, and in technical circles as hexalin. The "Riedel-Aktiengesellschaft" manufacture it at their tetralin plant Rodleben near Rosslau (Germany) by catalytic hydration of phenol. It is controlled commercially by the same firm.

Reduction with hydrogen gas with the aid of a catalyster (reaction of Sabatier and Senderens) is susceptible to fairly general use, but requires individual adaptation for different materials, inasmuch as certain conditions of temperature and pressure must be maintained, if the process of production is to be thoroughly efficient and economical. Nickel is the catalyster used. Manufacture of cyclohexanol by the use of mixed oxides, as for instance nickel oxide and copper oxide or manganese oxide (a process suggested by the Aktiengesellschaft fuer Anilinfabrikation) does not seem to have been carried out on any industrial basis, although it had been expected that metallic oxide catalysts would prove particularly effective.

Today highly active nickel is used, which is generally obtained by reduction of nickel oxide, but it must still contain traces of oxide, as experience has shown that metal which is completely free of oxygen is far less satisfactory. The catalyster is exceptionally sensitive to a large number of certain substances, so-called contact poisons. Thus, traces of halogenes are sufficient to completely destroy the catalytic activity. Of the many other contact poisons which may be present in the hydrogen used, I will mention, because of their importance arsenic hydride, phosphorous hydride, hydrogen sulfide and above all the dreaded carbon monoxide. Therefore hexanol, which is generally made from water-gas, must be meticulously purified.

The most favorable temperature for the hydrogenation of Phenol has been determined as 180°C, therefore the controlling reaction takes place in the gaseous system. Increased pressure will, as generally in such cases, accelerate the process. The raw-product obtained still contains impurities, 5-10% unattached phenol and small quantities of cyclohexan and cyclohexanol. By passing this product a second time through the catalysing process, both the remaining phenol and the cyclohexanol are changed by cyclohexanol. An even formation can

Cyclohexanol, although it has been known and used for more than ten years, has only come into industrial prominence within the past year or so as a solvent, emulsifying agent, colloid medium, plasticizer, disinfectant, intermediate solution agent, water repellent, and chemical raw material. The product is made only by the Riedel-Aktiengesellschaft near Rosslau, Germany, and more recently by Howards & Sons, Ltd., in England. Although its use is quite broad in Europe and increasing steadily. American use is still in the experimental stage.—The Editors.

also be obtained by dissolving the phenol in a little water before undertaking the reaction. The manufacturing process has been technically improved, so that it is carried out in one operation.

Before taking up the various possibilities and practical uses of cyclohexanol, it may be interesting to give a brief review of its properties, especially as some of them, by their very nature, open up certain fields of usefulness. Its specific gravity is 0.945, its boiling point 160°C, its flash point 68°C. Cyclohexanol can be strongly supercooled. Once solidified, it will melt at 16-17°C. It is free from acids and resin and has a viscosity of 3.5° Engler or more. Of particular interest is its ability to dissolve and emulsify bodies, which are ordinarily not readily soluble, and it is largely due to this property that cyclohexanol has found a place in many and industry. On the other hand, it is certain media, so that the indirect method can be followed, whenever there are obstacles in the way of direct action.

The odor of cyclohexanol is not exactly unpleasant and in no way injurious. It takes weeks of intensive action for it to become irksome. Fortunately, though, in its principal spheres of usefulness it is employed in a strongly diluted form, and where greater concentration is necessary, the odor can be disguised by the addition of dekalin or similar substances.

More than ten years ago, cyclohexanol found an unusual technical use. By heating it to about 500°C, it can be transformed with very slight loss to erythren which is related to isopren, and serves like the latter to make artificial rubber, platinum, quartz, etc. are used as catalysts to bring about the reaction. The disintegration, for that is the process which takes place, is instantaneous and accompanied by an active development of gas. It is brought about by letting hexanol drop into an iron tube heated to a temperature of 600°C.

Its Versatility as a Solvent

Cyclohexanol is a solvent or emulsifying agent for fats, oils, waxes, resins, artificial resins, mineral oils, highly oxidized fats, linoxyn, rubber, acetyl-cellulose, celluloid, fatty acid and resin-acid, metallic salts, etc. In some cases the esters of cyclohexanol, and principally its formate and acetate, are more powerful as solvents,

and therefore used in special cases, for instance, they are an excellent substitute for amyacetate.

While cyclohexanol is practically insoluble in water, and, at the most, forms an emulsion with it, it is readily soluble in watery soap solutions, and a small quantity of soap will dissolve many times its volume of cyclohexanol. The clear solutions thus obtained are admirably suited for all kinds of cleaning purposes, since they remove all stains or impurities caused by fats, oils, mineral oils, etc. very rapidly and without in any way injuring the texture. Even chalk or magnesia soaps are easily assimilated by cyclohexanol or its soap-solutions, and it can therefore be very highly recommended when only hard water is available.

High efficiency as a washing and cleaning agent, and its solubility give it an almost unlimited field of usefulness in the entire textile industry. The development of lather is not affected, unless very large quantities of cyclohexanol are added. This, however, is generally avoided anyway, because continued exposure to the odor of cyclohexanol has an influence on the workers. Dekalin, which is recommended to overcome this drawback, is perfectly safe in use as its flash point is also around 68°C.

Liquid Cyclohexanol Soaps

A number of liquid cyclohexanol soaps have been put on the market under various trade names, such as Savonade, Texapon, Texalin, Hydralin, etc. There are also some solid soaps containing up to 10% Cyclohexanol. These are identical in appearance to ordinary curd soaps, lather copiously and possess a greater cleansing power. It is, in fact, surprising that cyclohexanol preparations have not found a more widespread use in every-day life as cleaning fluids. In the textile industry a number of water soluble degreasing agents are used, but these are, without exception, greatly inferior to cyclohexanol products.

Mineral oil mixtures of monopol soap and olein give products which are soluble in water with an oil percentage of 20-25%, and are used for scouring wool, etc. Mixtures of mineral oil and cyclohexanol can be prepared with a far higher percentage of oil content. These solutions fulfill the same purpose and can be removed from the textiles far more easily and thoroughly. Such mixtures of cyclohexanol and mineral oil with an oil content of 60% can even be easily washed out of the yarn after weeks in luke warm water.

It is difficult to estimate the number of industries in which cyclohexanol can be profitably employed. But this does not, by any means, exhaust its possibilities. In the paint and varnish industry, for instance, siccatives, such as metal resinsates, metallic oleates dissolve freely in cyclohexanol and its esters. These solutions can then be utilized further according to the general practice of the industry. These preparations are particularly interesting because of their great resistance to weather influences, etc. Linoxyn solutions are also readily available and, with the usual solvents, can be used in enamels. Cyclohexanol is also an advantageous solvent for zapon and gellon enamels which are becoming more and more popular. They give valuable elastic enamels, repelling water. They are colored with colloidal dyes. These products can also be utilized to manufacture waterproof fabrics by saturating the threads with them before weaving. Such materials are waterproof, but do not prevent transpiration.

As a Plasticizer

This leads us to an allied field, which may be included here: The manufacture of elastic and plastic products. Suitable use of cyclohexanol and its esters has enriched

this industry by several new and valuable products. By working up cellulose-ester with phthalic acid cyclohexanolesters, products of remarkable resilience and pliability are obtained, which are used for films, etc. Different elastic masses of peculiar properties are produced by kneading together solutions of rubber and celluloid or cellon with cyclohexanol. These can be colored with colored earths distributed by means of the colloid mills.

If colloidal mica dust is mixed with the above products a very good insulating material can be obtained. If the solvent is evaporated from the zapon cyclohexanol, and cellon cyclohexanol paints, the residue is an elastic mass, repelling water, and suitable for the manufacture of buttons, umbrella handles, imitation tortoise shell, etc.

In the Rubber Industry

The fact that cyclohexanol is a solvent for rubber has led to its use as an agent for eliminating rubber from crude rubber, vulcanized rubber scraps, etc. It is possible that cyclohexanol may provide a means of reworking rubber scraps on a technically profitable basis.

It is very well adapted for the preparation of shoe creams, floor waxes, metal polishes, wood veneers, leather dressings, etc. by dissolving or emulsifying in it, in the usual manner, the solid raw products to be used. The syrupy character of the cyclohexanol prevents a rapid drying out. This viscosity also makes it a good lubricant which is absolutely free of acid or resin. The character of the lubricant can be varied for special purposes by suitable admixtures of greases, mineral oils and other hydrocarbons. There remain a few special uses to be enumerated. It is particularly interesting—like other hydrogenated substances—as a fuel for combustion engines.

However, on account of its viscosity, it is not suited for direct use as a liquid illuminant. But if the viscosity is lowered by admixtures of cyclohexanol, liquid carbohydrates with an ignition temperature of over 21°C (for instance Dekalin) or under certain circumstances of alcohol, excellent liquid illuminants are produced. "Solid" heat and light can be produced—as with alcohol—by solidifying the cyclohexanol. This is done by compounding it with solid soaps, saturated fatty acids, saponified or unsaponified waxes. The advantage is that far smaller quantities are required than for solid alcohol. These solid fuels burn with a light flame and without smoke or soot.

Has Disinfectant Properties

As a derivative of phenol, cyclohexanol retains the disinfecting properties of the former. It is frequently used as a disinfectant and protective for seeds. Occasionally, it is combined with other known disinfectants to preparations of varying power and uses. Various means have been suggested to reduce the rapidity of evaporation of benzenes and gasoline. The simplest and one of the most satisfactory methods of doing this is to add cyclohexanol, which can remain in the gasoline or benzine, no matter what it is to be used for, and without any fear of unsatisfactory after-effects. Finally it may be mentioned as a preservative for wood and similar bodies.

It will be apparent from this brief review that in the short period of its existence cyclohexanol has gained a footing and proven its value in many varied fields. The scope of its usefulness can still be considerably enlarged, and it is gradually becoming more and more popular. However, there still exists in certain technical circles a marked distrust of it—which is probably due to the very natural prejudice against anything that resembles a "cure-all," and has such wide and varied uses.

Leather Dyes Cheaper in U. S. Than Abroad

Margin in Favor of American Tanners Found by Investigation Made by the Bureau of Foreign and Domestic Commerce In Co-operation with the U. S. Tariff Commission—Average Price Per Pound Paid by American Tanners Was 67 Cents—Entire Requirements of Calf Tanners in the United States Met by American Dye Manufacturers—Six of the Fourteen Dyes Used by Tanners Account for Seven-Eighths of Their Requirements.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Feb. 25.—Prices paid by calf leather tanners in the United States are lower than prices paid by tanners in Europe according to a report just published by the Bureau of Foreign and Domestic Commerce in co-operation with the U. S. Tariff Commission. The report says in part:

The quantity of dyes used annually by the Calf Tanning Industry in the United States accounts for less than three fifths of one per cent. of the total U. S. production of coal-tar dyes.

The fourteen dyes used as the basis of investigation comprise 70% of the total number and 90% of the total quantity and value of all coal-tar dyes consumed by the domestic calf tanners.

Six of the fourteen dyes, in order of their relative importance to the calf tanners, namely: Bismark Brown, Direct Deep Black EW, Nigrosine WS, Phosphine, Resorcine Brown, and Orange II, account for seven eighths of the tanners requirements.

The entire requirements of our calf tanners for the specified 14 dyes are met by products of American manufacturers.

Ninety-eight per cent. of all the calf tanners consuming requirements for dyes in 1923 were filled at general average prices irrespective of source at 11% below the average sales prices recorded in the Tariff Census of 1923, and 70% of their requirements purchased direct from manufacturing sources was obtained at 18% below.

It was found that the dyes used by Austria, Belgium, Czechoslovakia and Dutch calf skin tanners are of German origin and subject to an agent's or distributor's profit; therefore our field was narrowed, to a value comparison between the dyes of English, French and German origin with those produced in the United States.

American Prices Lower

We find that American prices of the fourteen dyes are comparable with those prevailing in these countries of Europe, and for the six major dyes enumerated above which make up seven eighths of the U. S. calf tanners' demand, the American price is not only comparable, put, in most instances, lower than the price which his competitor in Europe must pay.

All the dyes reported upon are of domestic production. In fact all of the dyes listed with the exception of Methylene Blue and Phosphine were manufactured in the United States prior to 1914.

Features of the Analysis

The total dye requirements of the calf tanners accounted for less than three-fifths of one per cent. of the total United States production of dyes which, according to the U. S. Tariff Commission, "Census of Dyes and Coal-Tar Products, 1923," amounted to 93,000,000 pounds.

The average annual consumption of the 14 listed dyes by each tanner was 24,068 pounds, yet but 7 firms purchased in excess of the average, and 5 firms purchased

over one-half of the total quantity. The largest consumer required about six times that of the smallest.

Twenty of the twenty-one firms composing the membership of the Calfskin Tanners Association of the United States submitted reports as follows:

CALFSKIN TANNERS CONSUMPTION OF DYES, 1923

Schultz No. and Name of Dye or Color.	Tanners Annual Consumption in Pounds	Value of sumed by Tanners	General Price Per Pound
BLACK	175,995	\$83,163	.47
(462) Direct Deep Black E. W.	91,269	42,259	.46
(700) Nigrosine W. S.	69,726	30,404	.43
(217) Agalma Black 10B	15,000	10,500	.70
BROWN	167,758	94,092	.56
(284) Bismark Brown	118,618	54,379	.45
(211) Resorcin Brown	49,140	39,713	.80
YELLOW	74,864	106,372	1.42
(606) Phosphine G, 2G, 3R	62,764	96,659	1.54
(134) Metanil Yellow	10,300	7,703	.75
(23) Tartrazine	1,800	2,010	1.11
ORANGE	30,840	8,872	.29
(145) Orange II	30,840	8,872	.29
RED	20,182	19,793	.97
(161) Fast Red A	9,685	6,655	.68
(679) Saffranine	6,747	9,001	1.34
(227) Croceine Scarlet	3,750	4,127	1.10
BLUE	8,074	9,112	1.12
(659) Methylene Blue	8,074	9,112	1.12
VIOLET	3,655	5,135	1.40
(515) Methyl Violet	3,655	5,135	1.40
TOTAL	481,368	\$326,539	.67

The average price per pound of all dyes used by the calf tanners, irrespective of comparability of strength, quality or source, and based solely upon the total quantity consumed and the value, was 67 cents per pound. The purchases from manufacturing sources, however, were obtained at 65 cents per pound in comparison with 74 cents paid to the distributor sources.

The dyes used by the Belgian, Dutch, Czechoslovakian, and Austrian calf tanners are of German origin, and the eventual cost to the tanners in these countries is no doubt subject to a distributor's profit in addition. Considering the absence of French data, we shall confine our comparison to English and German origin with that of the United States. With this object in view, all samples received were submitted for comparison of value to the Dye Laboratory of the Bureau of Standards.

In brief, the cost of the dye per square foot for each shade was approximately 1 tenth, 2 tenths and 4 tenths of a cent, respectively, assuming the maximum cost of 5 tenths of $\frac{1}{2}$ cent per square foot, as rendered by the dye manufacturers, which is 100 per cent. greater than the cost claimed by the tanners.

If the cost of a raw hide averaged about 18 cents per square foot, and the finished hide sells for 38 cents per square foot, we have a processing cost inclusive of labor and material of 20 cents per square foot. Therefore, the dye cost would represent but 2½ per cent. of the total processing cost.

The prices of the American suppliers are lower, and no doubt the concentration and qualities are proportional to the quotations. At the worst, however, any differential less than 100 per cent. in favor of a foreign source of supply, would not affect this deduction. Even any reasonable difference greater than 100 per cent. would not materially increase the total processing cost.

The report has been submitted to the U. S. Senate in reply to question No. 9 of Senate resolution 256, reading as follows:

"To what extent are the calf tanners of Europe able to buy their tanning materials cheaper than can the calf tanners in the United States?"

[FEBRUARY 25, 1925]

BRITISH CHEMICALS GAIN STRENGTH (Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Feb. 14.—A feature of the market for industrial chemicals is the confidence shown by buyers in placing forward contracts. Makers and dealers have no doubt gone out of their way to meet users and the banks are not nearly so nervous in financing trade as was the case less than twelve months ago. While the market is steady there is a sharp contrast in various items.

Formaldehyde, acetic acid, acetone, oxalic acid and arsenic remain very flat and are offered cheaply. On the other hand all potash products, caustic, prussiate, permanganate, carbonate, and such items as salammoniac and all the soda salts hold steady at full rates with business being done over long periods. Cornish arsenic is offered at the low price of £30 per ton, f.o.r. mines, with the market flat.

Lead products, red and white lead, are firm and values move with the price of the metal. A syndicate of British makers was announced in January with a control of prices.

There is no official news, but it is strongly rumored

that the Government will include a large number of industrial chemicals in forthcoming "safeguarding legislation" and should this be so, prices of such articles will advance probably. Official announcement is expected when Parliament meets at the end of February.

Nothing further has been heard of the late agreement between the German I. G. and the British Dyestuffs Corp., but sooner or later the matter is certain to come forward.

Under the Peace Treaty the import of reparation dyes from Germany ended on Jan. 10, but negotiations are now going on in Paris and it is possible they may continue to be taken as reparations "in kind" up to August, 1928.

A law permitting the unrestricted manufacture and importation of matches into Portugal, thereby cancelling the government monopoly which has been in effect since 1895, has been approved by the Ministerial Council and will become effective April 26. The duty on matches imported from United States remains at 0.50 escudo per kilo, as under the monopoly.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Soda, caustic and bicarbonate, and sulfate of soda, copper, and iron 12311
Turpentine 12389
Turpentine, Montan and Japanese wax 12312
Drugs and medicines 12348
Drugs and proprietary remedies 12207
Proprietary preparations 12318
Paints 12256
Paints, dyes, heavy chemicals 12299
Paints, varnishes 12306
Paints, varnishes for automobiles 12303
Pharmaceutical products 12299
Rosin 12250
Wax polishes 12305
Toilet accessories 12306

Anwerp, BelgiumPurchase Berlin, GermanyAgency

Budapest, HungaryPurchase Bangkok, SiamPurchase

Johannesburg, S. Africa. Agency
Johannesburg, S. Africa. Agency

Bushire, PersiaPurchase

Bloemfontein, S. Africa. Agency

Asuncion, ParaguayAgency

Sourabaya, JavaAgency

Bloemfontein, S. Africa. Agency

DanzigPurchase

Asuncion, ParaguayAgency

Rio de Janeiro, Brazil. Agency

Acid phosphate, nitrate of soda 12855
Alcohol, denatured & pure 12907
Alum in lumps, and liquid chlorine 12911
Ammonium sulfate 12918
Bitumen for tar-free roofing 12921
Carbon black, wood chemicals 12923
Chemical products 12899
Chemicals and pharmaceuticals 12912
Chemicals and drugs 12915
Chemicals, fine, and pharmaceuticals 12919
Copper vitriol, pulverized sulfur 12920
Explosives 12915
Fertilizers 12937
Lead, red and white 12914
Linseed oil, good quality 12922
Matches 12887
Paints and varnishes 12887
Rosin and caustic soda 12917
Soda ash 12913
Soda ash 12916
Soda, caustic, and caustic potash 12921
Sulfate of ammonia 12855
Toilet preparations 12886
Varnishes 12922

Chatham, CanadaPurchase

Alexandria, EgyptPurchase

Quebec, CanadaPurchase

Antwerp, BelgiumPurchase

Hamburg, GermanyAgency

Brussels, BelgiumAgency

Bordeaux, FrancePurchase

Warsaw, PolandPurchase

Asuncion, ParaguayPurchase

Warsaw, PolandPurchase

Budapest, HungaryPurchase

Asuncion, ParaguayPurchase

Chatham, CanadaAgency

Suttgart, GermanyAgency

Prague, Czechoslovakia. Agency

Benzol, washed, 200 tons.. 13074
Bluing, liquid 13072
Chemicals, fine 13060
Chemicals for paper, tanning iron and steel, textiles 13074

Copper sulfate 13068
Disinfectants, liquid 13081
Dyes, aniline 13070

Lampblack, 30 to 50 tons monthly 13075
Methanol, large quantities 13077

Rosin 13070
Rosin, caustic soda 13061

Rosin, turpentine 13079
Soda, caustic 13070

Soda, caustic, soda bicarbonate, ash soda 13069

Turpentine 13061
Waxes 13062

Zinc oxide 13073
Drugs 13070

Drugs, pharmaceuticals .. 13098
Drugs, pharmaceuticals .. 13080

Perfumery 13071
Pharmaceuticals 13053

Pharmaceuticals 13056
Toilet articles, pharmaceuticals 13078

Acid, lactic, sulfate of magnesia 13218
Caustic soda and drugs... 13185

Chemicals 13223
Chemicals, tanning 13240

Coal tar products 13186
Dyes for yarns & leather 13240

Dyes and allied products 13222
Dyes and products 13221

Rosin and stearin 13231
Rosin and turpentine 13220

Drugs 13223
Medicinal preparations .. 13221

Perfumes 13209
Pharmaceutical products .. 13219

Acide, lactic, sulfate of magnesia 13218
Caustic soda and drugs... 13185

Chemicals 13223
Chemicals, tanning 13240

Coal tar products 13186
Dyes for yarns & leather 13240

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Rosin and stearin 13231
Rosin and turpentine 13220

Drugs 13223
Medicinal preparations .. 13221

Perfumes 13209
Pharmaceutical products .. 13219

MATHIESON ALKALI EARN \$5.76 A SHARE

The report of Mathieson Alkali Works, Inc., for the year ended Dec. 31, 1924, shows net income of \$873,064 after charges, equivalent after the regular 7% on the preferred stock to \$5.76 a share on the 117,714 shares of common stock outstanding, compared with \$1,096,943, or \$7.63 a share on the common stock outstanding in the preceding year. As of Dec. 31, 1924, current assets amounted to \$2,395,356 and current liabilities to \$561,906, leaving net working capital of \$1,833,450 compared with \$1,694,641 as of Dec. 31, 1923.

In remarks to stockholders, E. M. Allen, president, said in part: "The current assets of the company on Dec. 31 last were \$2,395,356 while the current liabilities were \$561,906, showing a ratio of 4.26 to 1, indicating the continued improvement in the current position of the company. The company has no obligations to banks, \$100,000 of the indebtedness of that character existing at the end of the year having since been paid. Inventories were normal for a business of the character and size of present operations.

"The synthetic ammonia plant at the Niagara Falls Works has the initial units in successful operation, and by the end of this year, we expect the capacity of this plant will have increased sufficiently to consume all the hydrogen, produced at these works, which until so utilized, had been going to waste."

PUBLICATIONS MAKE CHANGES

"Chemical & Metallurgical Engineering" discontinues as a weekly with the current issue, and March 15th becomes again a monthly magazine.

"Weekly publication," says the announcement of the publishers, McGraw-Hill Company, "was inaugurated in 1919 at the height of post-war activity in the chemical and chemical engineering industries. Events were then moving in swift succession and new developments pressed for publication. Progress was rapid and could not be satisfactorily recorded in a monthly magazine. But for the present, . . . so frequent a service is neither necessary nor demanded." The policies, under which "Chem. & Met." has grown to be the largest and most important independent technical chemical paper will remain unchanged under the editorial direction of H. C. Parmelee.

Although no official announcement has been made, the amalgamation of "The Chemical Age" and "The Chemical, Color and Oil Record" has been heralded in circular letters by the publishers. "The Chemical Age," always a vigorous protagonist among the technical publications, has been edited by Lloyd Lamborn. "The Chemical, Color, & Oil Record," established during the War was a daily market report when it served brokers and dealers in the feverish markets of those days with prompt reports, later became a tri-weekly, a bi-weekly, and more recently a weekly publication. It is published by the Trades Reporting Bureau, Inc., William E. Tufts, president and editor.

Peter Dirr, Vice-president of Charles L. Huisking, Inc., New York, returned from a two weeks honeymoon trip to Montreal, Niagara Falls, and several Western cities, early this week.

C. C. Concannon, Chief of the Chemical Division, Department of Commerce, is taking a two weeks' trip through the south, studying the naval stores and fertilizer conditions.

CHIPMAN BEATS METEOR IN ARSENIC SUIT

Meteor Products Co. Sued for \$1,186 on Sale Claim at 15c—Chipman Denies Purchase.

A verdict in favor of Chipman Chemical Engineering Corp., New York, was returned by the jury, last Thursday, in a suit brought by Meteor Products Co., New York, for \$1,186, and tried before Justice Alexander Finelite in trial term, part 6, of the City Court. The complaint as filed alleged that the Chipman Company had agreed on May 4, 1923, through H. H. Rosenthal Co., brokers, to purchase 30 long tons of arsenic from the complainant at 15½c lb. F.O.B. Hoboken, and that the defendant refused to accept delivery and cancelled the order immediately after. The material in question is said to have been sold on Sept. 6, 1923 at 10c lb, the difference being the amount sued for.

R. N. Chipman testified that he had not agreed to purchase the material but had said that he would refer it to James G. Morrison, purchasing agent of the company, and that Morrison had later called Rosenthal and said that he did not want the goods. Carl E. Kayser, of Meteor Products testified that the purchase had been agreed upon by the defendant, and that they refused to accept the material when offered for delivery, a loss being sustained by the market declining in the meanwhile. H. H. Rosenthal testified that he had offered the complainant 13c lb. for the material later in May and that defendant refused to accept the offer. As a consequence of this the goods were not sold until September and then at 10c lb. This was later denied by Kayser, who claimed that no such offer had been made. O. W. Culman, broker, and R. H. Farleigh, both of New York, testified as to market quotations on arsenic at the time.

The fact that the goods were not sold within a reasonable time after the refusal of the defendant to accept them, was stressed by the judge in his charge. The goods were held from May to September and the market declined over that period while if the goods had been sold immediately after the refusal of the defendant to accept them it is not thought that any loss would have been sustained. Wing & Russell, New York, were attorneys for the defendant, and David R. Bernstein, New York, represented the complainant. The jury was out about 15 minutes.

Members of the Salesmen's Association who are attending a series of lectures being given by Dr. Frederick Breithut at the College of the City of New York each Friday evening, have made arrangements to have dinner in a body at the Castle Inn, 135th st. and Broadway, prior to each meeting at 6:00 sharp. About fifteen members met at the inn last week and all other members of the course have been invited to join the group this week.

Mutual Chemical Co., manufacturers of mutual bichromates, has moved to 270 Madison ave., New York, growth of the company necessitating larger offices. The trade has been invited to inspect the new offices, and to make them headquarters when in the city.

The bill providing for the promotion of the Chief of the Chemical Warfare Service to the rank of Major General, has been passed by both houses of Congress and is now waiting the signature of President Coolidge.

Joseph Turner, of Joseph Turner & Co., New York, has returned from week's fishing trip at Long Key Fishing Camp, Long Key, Fla.

Philip S. Tilden, New York manager of Ellis Jackson Co., sailed for Porto Rico on Feb. 19 where he will remain until about March 3.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 590-615

BARIUM SALTS CONTINUE TO WEAKEN

Chloride Lower for Shipment—Carbonate Down on Spot
—Market Quite Steady on Other Products—Potassium
Chlorate Higher for Spot And Shipment—Carbon
Bisulfide Easy—Carbon Tetrachloride Firm—Arsenic
Very Weak—Prussiates Unchanged.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Potassium Chlorate, 3/4c lb
Declined
Barium Carbonate \$1.00 ton

Trend of the Market

	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial...lb.	\$1.11	\$1.11	\$1.124	\$1.19%	\$1.07
Sulfuric Acid, 66 deg...ton	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.75	1.50
Copper Sulfate, c/l	4.65	4.65	4.65	4.75	4.50
Potash, Caustic, Imp....lb.	.07½	.07½	.07½	.06½	.07
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate...lb.	.085%	.085%	.085%	.095%	.06%
Sodium Prussiate, Imp....lb.	.104%	.104%	.104%	.125%	.06%
Average	2.927	2.927	2.928	3.050	10.75
					2.99

A fair amount of activity was apparent in the market for industrial chemicals during the week, and prices generally were quite firm. Several imported items continued scarce on spot with all arrivals being immediately sold ex-dock. This was true of potash alum, carbonate of potash, and potassium chlorate. Solvents continued in easy supply and although shipments were increasing in quantity and prices showed a firmer tendency, makers were quite anxious for orders. Bookings on mineral acids were reported by manufacturers to be quite heavy with the total for February above January. The same condition is also reported for caustic soda and bleach. Barium salts continue to ease off as consumers become supplied ahead. Arsenic is weak with material changing hands at new low levels, and sales of calcium arsenate reported as low as 6c lb. Copper sulfate registered no improvement and an easy condition continued.

Acid Acetic—Continues to move in increasing quantities at unchanged levels of \$3.12@\$3.37 for 28%; \$5.85@\$6.10 for 56%; and \$11.01@\$11.76 for the glacial material.

Acid Lactic—Steady request reported at firm quotations of 5½c@6clb., for 22% dark; 6½c@7clb., for 22% light; 11c@12clb., for 44% dark; and 13c@13½clb., for 44% light.

Acid Oxalic—Quiet situation continues with imported material available at 10¼c@10½clb.; and domestic manufacturers firm at 11clb.

Alum Ammonia—Moving in satisfactory volume at unchanged levels of \$3.15@\$3.50 for lump; \$3.30@\$3.75 for ground; and \$3.55@\$3.90 for powdered; prices are in barrels at works, as to seller.

Alum Potash—Imported material continues to be absorbed as soon as it arrives and only limited supplies are available on spot from firm holders. Material for shipment continues at \$2.70@\$2.75; and spot goods hold at \$2.75 ex-dock, and \$3.00 in a smaller way ex-store.

Arsenic—Very weak with sales during the week at 6clb. Market continues nominally at 5½c@5¾clb., as to seller and quantity. Sales of considerable quantities of calcium arsenate were reported at 6clb.

Barium Products—Chloride continues easy on spot with holders of imported material naming \$66.00@\$68.00; shipment is quoted lower at \$64.00 ton. Domestic makers continue to name \$70.00@\$75.00 ton. Carbonate eased off further during the week and material was offered at \$52.00@\$54.00 with evidence of shading these low quotations.

Bleaches—Steady movement of supplies reported against contracts at firm levels for bleaching powder of \$1.90 for carlots of large drums at works, and \$2.05 for less than carlots; spot works prices are 10c per 100 lb. above contract levels. Chlorine quotations for contract are 4clb., in tanks; 5½c@5¾clb., in carlots of cylinders; and 7c@8clb., in less than carlots at works.

Carbon Bisulfide—Easy condition reported with prices fairly steady at quotations of 5½c@6½clb. as to quantity.

Copper Sulfate—Situation unchanged with manufacturers still quoting \$4.65@\$4.85, and carlots still available at \$4.50 per 100 lb.

Copperas—Leading manufacturers continue to name firm quotations of \$13.00 in bulk; \$16.00 in bags; and \$17.00 in barrels. In certain localities material remains available at \$10.00@\$15.25 as to packing.

Potassium Chlorate—Higher on spot and for shipment. Sales of spot material last week were made on a basis of 7½clb., for powdered material, and 7¾clb., for crystals. Shipment is quite firm at 7clb., all cheaper offerings being sold-up. Domestic material remains at 8½c@9clb., at works for both powdered and crystal.

Potassium Prussiate—Yellow material continues easy on spot at unchanged levels of 18½c@19clb., spot; and the red product holds at 36½c@37clb.

Soda Ash—Makers continue to report heavy contract withdrawals at current contract levels of \$1.38 per 100 lb. in carlots of bags for 58% light ash; and \$2.04@\$2.29 for deliveries of less than carlots in the metropolitan district. Spot works prices are 5c 100 lb., above contract levels.

Soda Caustic—Heavy shipments reported by manufacturers at contract levels of \$3.10 per 100 lb., for carlots of 76% solid material; ground and flake \$3.50; spot works quotations are 10c per 100 lb., higher than contract levels.

Sodium Bichromate—Manufacturers continue to report a steady movement of material at unchanged firm quotations of 6½c@7clb., as to quantity.

Sodium Chlorate—Imported and domestic material holding steady at unchanged levels of 6½clb. @ 6½rlb.

Sodium Fluoride—Holders of imported material continue to name 9c@9½clb.

Sodium Hyposulfite—Firm condition continues with regular crystals quoted at \$2.40@\$2.65 in barrels, and \$3.00 in kegs for domestic; and \$2.35 for imported

material. Pea crystals firm at \$2.50@\$3.05 in barrels, and \$2.75@\$3.30 in kegs for domestic goods; and \$2.90 @\$3.00 for imported.

Sodium Phosphate—Firm situation with manufacturers not inclined to shade recent higher levels of $3\frac{1}{2}c@3\frac{3}{4}c$ -lb., for the di-salt; and $4c@4\frac{1}{4}c$ lb., for the tri-salt.

Sodium Prussiate—Quite and easy condition with goods still offered at $10\frac{1}{4}c@10\frac{1}{2}c$ lb. spot. Domestic manufacturers continue to quote $10\frac{1}{2}c$ lb.

Sodium Silicofluoride—Importers continue to name recent levels of $4\frac{1}{2}c@4\frac{3}{4}c$ lb. Supplies are not over-plentiful on spot.

Tin Oxide—Makers continue to name recent levels of $61c@63$ lb. as to quantity.

Zinc Chloride—Domestic manufacturers continue to name firm quotations of $6c@7$ lb. as to quantity for fused material in drums; and $7c@7\frac{1}{2}c$ lb. for granulated material in barrels. Importers name $7\frac{1}{4}c@7\frac{1}{2}c$ lb., for imported material.

KEEP UP POTASH PRICES ARTIFICIALLY

"The German Potash Syndicate, of which all potash producers are compulsory members, is mulcting the American farmer of many millions of dollars annually by keeping up prices artificially," says a cablegram to the "New York Herald-Tribune."

To facilitate maintenance of high prices the syndicate is trying to eliminate all foreign elements from any portion of Germany's potash deposits. A step in this direction has just been accomplished, as the extreme Nationalist elements in the syndicate purchased in New York the interests of the Einigkeit Potash Co., which was controlled by Virginia-Carolina Chemical Co."

Potassium chlorate is in strong demand in Hamburg, and prompt shipment is difficult to obtain at \$9.60, says Nicolaus Olah under date of Feb. 13. Sodium sulfide is firm with a cessation of large offerings, and quotations at £10 5s, for 60-62%; and £6 15s for 30% material. Potassium carbonate continues firm at \$10.50 for large quantities. Other quotations are: Epsom salt tech., £3; Sodium sulfate, calc £3 17s 6d; oxalic acid £22 12s 6d; hyposulfite of soda, regular £7 7s 6d; pearl crystals £9 2s 6d.

The new treaty between Germany and Austria has resulted in the following duties on imports into Austria: Refined boric acid, 7 gold kronen per 100 kilos; nitric acid, 2; Leunasaltpeter for fertilizing purposes, 1; permanganate of potash, 16; chlorate of potash, 10; chrome alum, 6; sulfate of alumina, 4.50; zinc sulfate, 3.50; liquid chlorine free; formaldehyde and paraformaldehyde, 24 gold kronen; aniline oil, aniline salt, 3.60; colors and paints prepared for retail sale, 70 kronen.

Conradi Chemical Co. is manufacturing insecticides and fungicides at Columbia, S. C. Among the products of the company are lime dusts, lime sulfur sprays, oil sprays and emulsions, calcium arsenate and magnesium arsenate, and dusting and spraying machines. The officers are: H. G. Kaminer, pres.; A. F. Conradi, vice-pres. and manufacturing director; H. Volrath, sec.-treas.

Northwest Chemical Co., Seattle, Wash., has been organized to manufacture chemicals and fertilizers, by Maurice D. Leehy and L. I. Lloyd, 1015 Rust building, Tacoma, Wash.

California Salt Co., San Francisco, has increased its capital from \$935,000 to \$1,600,000.

OUTPUT OF SULFUR 40 PER CENT LESS

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., Feb. 25—The production of sulfur in the United States in 1924 dropped to 1,220,600 long tons from 2,036,097 long tons in 1923, a decrease of 40 per cent, according to the Department of the Interior, as shown by figures compiled by the Geological Survey. The shipments in 1924 were the second largest on record and for the first time since 1920 were greater than the production. The estimated value of the shipments in 1924 was \$25,000,000, compared with \$26,000,000 in 1923, at approximately the same rate per ton.

The producers stocks in hand at the end of 1923 were approximately 3,000,000 tons. The exports of sulfur, from the United States in 1924, according to the Bureau of Foreign and Domestic Commerce, were 481,814 long tons, valued at \$7,786,254. The exports of refined and sublimed sulfur and of flowers of sulfur in 1924 were 2,329 long tons, valued at \$107,947, making the total exports of crude and refined sulfur during the year 484,143 tons, valued at \$7,894,201, compared with 474,475 tons, valued at \$7,216,107 in 1923.

The production of sulfur in Sicily, which averaged about 350,000 metric tons before the World War, dropped considerably during and after the War. The agreement between the American producers and the Sicilian Sulphur Consortium in 1923, proportioning sulfur among the markets of the world, has probably benefited the Sicilian producers, as the production in Sicily increased from 137,648 metric tons in 1922 to 206,238 metric tons in 1923, and amounted to 115,045 metric tons during the first six months of 1924, a rate of about 230,000 metric tons for the year.

FERTILIZERS IN DEMAND IN FRANCE

(*Special Correspondence to DRUG & CHEMICAL MARKETS*)

Paris, France, Feb. 14.—Sales of superphosphates tend to show that the tonnage used by French agriculture during 1925 will far exceed the 1924 figures. Business is particularly active in the North and East of France where prices have been very stable. The difficulty in obtaining scoria has still further increased the demand for superphosphates. In the South of France, the cut-throat competition now going on between producers is inciting consumers to delay their orders in the hope of obtaining lower quotations.

Sulfate of ammonia, after a period of great activity, has once again become calm, the question in everyone's mind being the quantities that may be expected from Germany from February to April. The total output of the cyanamide factories is now booked for the season, and buyers are obliged to approach the resellers to secure supplies, instead of purchasing direct from the manufacturers.

Business in potash fertilizers is very active, the Societe Commerciale des Potasses d'Alsace being unable to effect deliveries except after considerable delay. Quotations are very firm for the majority of chemical products employed in agriculture, sulfate of copper being in particular demand. The Marseilles factories are quoting 208. per 100 kilograms (220.46 pounds) for January and February delivery.

The February meeting of the Chemical Club of Philadelphia, held last week at the Benjamin Franklin Hotel, Philadelphia, was addressed by C. Burgess Taylor, the Philadelphia general agent of Northwestern Mutual Life Insurance Co., on the subject of salesmanship.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, pages 590-615

ORTHO-TOLUIDINE ADVANCED TO 20c LB.

Ortho-Nitrotoluene Also Higher Owing to Sold-Up Condition—Para-Toluidine Continues Easy—Para-Nitroaniline Unsettled—Other Intermediates Quiet But Firm—Light Oil Distillates Unchanged—Benzene Steady—Toluene Strong—Solvent Naphtha Firm—Pyridine Dull—Naphthalene Shows No Improvement.

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

Ortho-Nitrotoluene, 2c lb. Ortho-Toluidine, 2c lb.

Declined

No Declines

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	gal.	\$23	\$23	\$23	\$1.10	\$23
Naphthalene, flake	lb.	.05	.05	.05	.065/ .16	.03
Phenol, Spot	gal.	.24	.24	.24	.37	1.50
Toluene	gal.	.26	.26	.26	..	.08
Aniline Oil	lb.	.16	.16	.16	1.40	.10%
Alpha-naphthylamine	lb.	.35	.35	.35	1.28	..
Benzaldehyde	lb.	.70	.70	.70	.75	..
Betanaphthol	lb.	.24	.24	.24	1.50	.08
Dimethylaniline	lb.	.33	.33	.33	.37	1.30
Paranitroaniline	lb.	.60	.60	.62	.70	1.58
Average		0.316	0.316	0.318	0.344	..

Intermediates continued dull over the week and manufacturers are not anticipating any improvement until next month. Both cotton and wool quarters are reported quiet and shipments of dyes are said to be light with competition sharp. This has been reflected in intermediates to the extent that where dye manufacturers have lowered quotations on their products in an effort to obtain business, they are trying to buy intermediates at lower levels in order to offset the reductions in dyestuffs. Makers of intermediates continue to maintain their schedules fairly well and although supplies are plentiful on most products, quotations on only a few items are unsettled. Light oil distillates generally maintained unchanged positions with benzene quite steady, and other products strong. No improvement was reported in naphthalene, phenol and cresylic acid.

Crudes.

Benzene—Situation unchanged since last week and still rather confused. With the production remaining at the present volume and the industrial demand showing no change, the quotations will doubtless advance if gasoline prices move up any further, while a lowering in gasoline levels probably would not lower benzene immediately but would weaken it to the extent that any appreciable increase in production would bring about a reduction in quotations. Quotations from leading distributors remain at 23c gal. for pure in tanks at mills; and 28c in drums; and 90° material continues at 21c in gal. in tanks, and 26c in drums.

Cresylic Acid—Quietness continues in this product with supplies freely offered at unchanged quotations of 60c@65c gal. for pale 97-99%; both imported and domestic; and 55c@60c gal. for dark 55-60% material.

Naphthalene—No improvement reported with business dull and manufacturers still holding quotations fairly firm, in anticipation of the opening of the season. Demand for intermediate use described as spotty. Holders

continue to name 5c@6c lb. for flake material; and 6c@7c lb. for balls as to quantity.

Pyridine—Market holding steady with inquiry small. Factors continue to name \$4.20@\$4.25 for spot goods, but indications at present point to an easier situation if the dullness continues.

Solvent Naphtha—While limited supplies are available from time to time, the market continues quite strong and no excess offerings are to be found. Distributors continue to name firm prices of 25c gal. in tanks at mills; and 30c gal. in drums.

Toluene—Strong situation continues to be reported by distributors, who report no accumulation of supplies, and an inability in some quarters to fill all orders. Firm quotations are given at 26c gal. in tanks, and 31c gal. in drums.

Xylene—Easier condition continues in this product, with the commercial grade in better supply and the request for the 10° and 5° material considerably lessened. Quotations continue unchanged, and factors name 26c gal. in tanks, and 31c in drums for commercial material; 30c gal. in tanks, and 35c in drums for 10°; 35c gal. in drums, and 40c in drums for 5°; and 50c gal. in drums for 3°.

Intermediates

Acid Cleve's—Quiet condition reported with prices quoted at unchanged levels of 95c@97c lb. as to quantity.

Acid H—Continues in easy condition at unchanged quotations of 68c@72c lb. in barrels.

Acid Laurent's—Holding steady at manufacturers' levels of 90c lb. in 250 lb. barrels.

Acid Monosulfonic—Moving in fair volume at recently lower levels of \$1.80@\$1.90 lb.

Acid N & W—Makers report steady market at unchanged levels of \$1.00@\$1.05 lb. as to quantity.

Acid Picric—Firm at recent advance to 25c@27c lb. as to quantity.

Aniline Oil—Moving in satisfactory volume in most quarters with price rigidly adhered to at unchanged levels. All indications of any movement in quotations seem quite remote. Makers continue to name 16c@17c lb.

Beta-Naphthol—Fair request reported by makers at firm levels of 22c lb. in carlots, and 24c@25c lb. in less than carlots.

Diethylaniline—Holding at recent advance from manufacturer who quotes 62c@64c lb. as to quantity.

Dimethylaniline—Manufacturers report a continuance of sharp competition on small spot business and a steady movement of supplies against contracts. Quotations continue at 33c@35c lb. as to quantity.

Dinitrobenzene—Moving in a routine way at unchanged levels of 15c@16c lb. in 400 lb. barrels.

Meta-Toluylenediamine—Rather quiet condition reported with prices fairly well maintained at unchanged levels of 80c@84c lb. as to quantity.

Ortho-Anisidine—Routine demand reported at unchanged quotations of \$3.00 lb.

Ortho-Nitrotoluene—Practically all manufacturers continue to have nothing to offer, but supplies are available from first hands at higher levels of 14c@16c lb.

Ortho-Toluidine—Supplies continue scarce with most makers reporting a sold-up condition owing to active demand as a flotation agent and for use as a rubber accelerator. Makers with available supplies now name higher levels of 20c@22c lb.

Para-Nitroaniline—Market continues easy with quotations still given over a wide range of 60c@65c lb.

Para Toluidine—A rather unsettled market continues to be reported for this material. Manufacturers generally quote the market at 70c@74c lb. with shading indicated in some quarters in effort to move stocks accumulating as a result of the strong demand for the ortho product.

R Salt—Fair request reported from color makers at recently lower levels of 47c@49c lb. as to quantity.

Toluidine—Continues to be quoted by manufacturers at 90c@94c lb. as to quantity.

THE DYE CARTEL REORGANIZED

The I.G. is reorganizing and negotiations are in progress to effect further fusions, says "The Dyer," of London. It is stated that the amalgamation of the Griesheim Elektron with the B.A.S.F. is already effected. The German press says that this continued effort of fusion is no new decision. Even before the war it had been arranged to organize production and sale. In 1905, the Hoechst Farbwerke had come to an arrangement with Cassella; the two firms agreed not to compete in products which one or the other was in better position to manufacture. It is now stated that in order to use the technical staff to the best advantage, each member of the cartel will no longer have its own representatives. All the agents will receive simultaneously instructions and samples from every member of the cartel.

Imports of aniline and coal tar dyes into Canada during December were as follows. For Britain 23,703 lbs., value \$11,023; United States 119,172 lbs., value 71,831; Germany 23,806 lbs., value \$24,993; Sweden 4,700 lbs., value \$2,633; Switzerland 6,563 lbs., value \$4,528. Other countries, 8420 lbs., value \$2,165; total 186,364 lbs., value \$115,173; compared with imports in December, 1935; Britain 31,904 lbs., value \$15,247; United States 111,255 lbs., value \$71,390; Germany 109,237 lbs., value \$58,024; Netherlands 22,097 lbs., value \$14,204; Sweden 500 lbs., value \$420; Switzerland 9,189 lbs., value \$6,500; Total 284,182 lbs., value \$165,785.

Exports of colors from Switzerland during nine months ended Sept. 30, 1924, were 6,320 tons, valued at 47.8 million francs, compared with 5,990 tons, valued at 47.8 million francs, for a like period in 1923, according to reports from Berne, which say: "Both United States and Great Britain showed a falling off in imports of Swiss dyes, and considerable anxiety is felt in Swiss color circles, concerning the future attitude of the British Government in regard to its fiscal policy."

American dyes and textile machinery have been purchased by Soviet Russia for the first time according to an announcement by All-Russia Textile Syndicate. The order for dyes was placed with E. I. du Pont de Nemours & Co. whose products were found to be superior to the German and British products long used by Russia.

Quebracho exports from Argentina during 1922 and 1923 were: Extract, 124,223 metric tons in 1922; 166,460 tons in 1923; 140,550 tons of logs in 1922; and 119,077 tons in 1923.

Applications for licenses under the Dyestuffs Act of Great Britain numbered 369, during December, of which 329 were from merchants and importers.

WILL THE DYE CARTEL GET \$30,000,000?

The \$30,000,000 loan scheduled to be made by American bankers to the German Dye Cartel has for the present been called off, says the "Daily News Record." The big loan may never be negotiated. It is fairly certain nothing will be done on it for several months. This loan has been a source of excitement among dye producers here and in France and England ever since a loan of \$2,500,000 was extended in Wall Street to the smaller members of the Cartel about six months ago with a tentative understanding that later a big loan would be advanced, based possibly on a popular bond issue.

Objection to the loan has been raised here on patriotic grounds. It was protested by American dye makers on the ground that it would tend to undo all that has been accomplished since the war toward the establishment of a national industry here, free commercially and adequate for the national defense.

Specifically, it has been maintained, the loan would enable the German Dye Cartel to recapture the markets in China and India by putting it in a position to extend attractive long-term credits, as it did before the war.

FRENCH AMAZED AT DYE LOAN TALK

"According to recent advices, a group of American bankers contemplate the extension of large credits to German industries—credits which would mean the restoration and further development of dye manufacturing in that country," says "The Figaro" of Paris, France.

"This news seems to us incredible. It has been only at the cost of a superhuman effort that the United States has succeeded during the last few years in developing their chemical industry to the point where it is free from German domination. At present more than 90 per cent of the colors needed in America are produced at home, and the exports of the new industry grow year by year. It is difficult to understand why anyone should seek to restore German domination."

At the annual meeting of the Textile Color Card Association, at the Hotel Astor, New York, Feb. 18, J. N. McCullaugh, secretary of the National Association of Hosiery and Underwear Manufacturers, stated that great co-operation has been attained among manufacturers of hosiery in the movement to standardize hosiery colors. Mrs. M. H. Rorke, managing director, stated that progress during the past year has been notable considering conditions prevailing in other industries. Stewart Culin of the Brooklyn Museum gave a historical talk on "The Magic of Color" at the luncheon. E. S. Johnson of James G. Johnson & Co. was elected president.

Synthetic Chemical Manufacturers' Association, dyestuffs section, held its regular luncheon meeting at Hotel Commodore, New York, Feb. 19. Dr. Chas. H. Herty, president of the association, exhibited a series of charts showing the trend of the dyestuff trade since the war, and an informal discussion of the effect of the tariff reduction of last September was held. A joint meeting of the special chemicals section and fine organic and medicinal chemicals section will be held at Shanley's, New York, on March 3.

E. C. Klipstein Sons Co., are planning the removal of their dye plants at Carteret and Chrome, N. J., to the main plant at Charleston, W. Va. The move will take place about May 1.

Aniline dyes imported into China during the third quarter of 1924 totaled 120,033 Haikwan taels, against 67,273 H. taels for the corresponding period of 1923.

Summit Dye Works, Summit, N. J., will make alterations and improvements in its plant, a one-story building, 60x300 feet.

The Oil Market

Current Spot Quotation of Oils, Tallow, Greases, pages 615-616

ANIMAL OILS AND FATS TURN FIRMER

Steadier After Weakness—Small Declines in Red Oil and Tallow—Stearic Up—Corn Oil Off Another Cent—Chinawood and Linseed Down Again—Coconut, Cottonseed, and Olive Fooths Easier—Fish Oils Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced	Declined
Sesame Oil 1c lb.	Stearic Acid, $\frac{1}{2}$ c lb. Stearine $\frac{1}{2}$ c lb.	
Chinawood Oil, $\frac{1}{2}$ c lb.	Linseed Oil, 1c lb.	Olive Oil Fooths, $\frac{1}{2}$ c lb.
Coconut Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb.	Peanut Oil, 2c lb.	
Corn Oil, 1c lb.	Red Oil, saponified, $\frac{3}{4}$ c lb.	Tallow, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb.
Cottonseed Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb.		
Grease, yellow, $\frac{1}{2}$ c lb.		

Trend of the Market

	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$62	\$62	\$58	\$68	\$1.26
Degras, American, bbl. lb.	.043	.043	.043	.044	.23
Lard No. 1.....gal.	.91	.91	.98	.87	.92
Menhaden, crd. tks.....gal.	.55	.55	.60	.50	.20
Neatsfoot, 20 deg. c.t. gal.	1.29 $\frac{1}{2}$	1.29 $\frac{1}{2}$	1.20	1.27	3.45
Red Oil, distilled.....lb.	.113 $\frac{1}{2}$	.113 $\frac{1}{2}$	.113 $\frac{1}{2}$	.095 $\frac{1}{2}$	.17
Stearic Acid, T. P.....lb.	.16 $\frac{1}{2}$	.16 $\frac{1}{2}$	.15 $\frac{1}{2}$	.13 $\frac{1}{2}$	.33
Coconut, Ceylon, bbls.....lb.	.10	.104	.11 $\frac{1}{2}$	.10	.90
Cottonseed, crude, tks.....lb.	.085 $\frac{1}{2}$	.085 $\frac{1}{2}$	.09 $\frac{1}{2}$	.085 $\frac{1}{2}$	.25
Linseed, crude.....gal.	1.12	1.13	1.17	.94	.85
Olive, denatured.....gal.	1.30	1.30	1.20	1.25	4.50
Peanut, refined.....lb.	.14	.16	.16	.16	.30
Soya Bean, bbls.....lb.	.13 $\frac{1}{2}$	.13 $\frac{1}{2}$	.13 $\frac{1}{2}$	.12	.39 $\frac{1}{2}$
Average	0.506	0.508	0.526	0.480	1.20
					0.362

Although vegetable oils have shown a pronounced weakness during the week, animal oils and fats have shown a tendency to become stronger. Sellers freely predict higher prices from current levels which they state represent bottom in the present swing. The rally in animal products, following a period of weakness, was led by stearic acid and stearine which moved up an eighth to a half cent. Tallow and red oil, however, are slightly lower. Curtailment of lard and fat production is looked for, due to the market value of grains exceeding the feed value to the farmers and consequent lessening of hog stock. Poor buying interest continues to characterize the vegetable oil market with further shading shown in many items during the week. If the expected curtailment in animal oil production materializes, a larger demand for vegetable oils may be looked for in a few months with rising prices. Fish oils continue quiet with many prices purely nominal and little business being done.

Vegetable Oils

Castor Oil—This situation remains the same with No. 1 still quoted at 17 $\frac{1}{2}$ c and No. 3, 17c lb. in barrels.

Chinawood Oil—Breaking of weak holders with poor demand forced the price down another $\frac{1}{2}$ c last week. Material in New York named at 13 $\frac{1}{2}$ c@14c in barrels and 13c lb. in tanks. Material at the Pacific Coast remains at 12c in tanks.

Coconut Oil—This material has weakened and now quotes at 10c@10 $\frac{1}{2}$ c lb. in barrels and 9 $\frac{1}{2}$ c in tanks in New York for the Ceylon. Cochin down to 11c@11 $\frac{1}{2}$ c in barrels, New York and Manila down to 8 $\frac{1}{2}$ c@9c in

tanks at Pacific Coast. Imports for last week, 4704 tons.

Corn Oil—Refined material is down to 12 $\frac{1}{2}$ c, crude down to 9c@9 $\frac{1}{2}$ c in tanks at mills and 11c@12c in barrels, New York.

Cottonseed Oil—Falling off in prices for refined shown in this material also last week, prices at end of week being 10 $\frac{1}{2}$ c@10 $\frac{1}{2}$ c lb. for prime summer yellow and 13c@13 $\frac{1}{2}$ c for winter yellow. Crude remained unchanged at 8 $\frac{1}{2}$ c@9c lb.

Linseed Oil—Crushers are down another cent along the whole schedule for this material. February delivery now quoted at \$1.12, March-April delivery \$1.13, and May-August delivery \$1.15; five barrel lots named at \$1.15. Contract prices were extended last week to include August delivery. The seed market closed last week at Winnipeg at a more even level with prices for May down to \$2.63, July up to \$2.62 and Oct. \$2.42; the Duluth market was lower with Feb. prices \$2.97, March \$2.98, April \$3.00, May \$3.00 and July \$2.99; Minneapolis was down to \$3.00 for Feb., \$3.01 for May and \$3.00 for March, and Buenos Aires was down to \$2.39 $\frac{1}{2}$. Linseed oil at London closed the week at 50s @51s and in Antwerp it was down to 435f@445f per 100 kilos.

Olive Oil—No change shown in this market with prices unchanged at \$1.30@\$1.35 for the denatured in barrels in New York and \$2.00@\$2.35 for edible.

Olive Oil Fooths—Quotations were lower last week with barrels in New York at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ c lb. and barrels for shipment at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ c lb.

Palm Oil—This situation remained unchanged last week with Lagos at 9 $\frac{1}{2}$ c@10c lb. in casks, Niger 8 $\frac{1}{2}$ c@8 $\frac{1}{2}$ c and Bonny old Calabar nominal at 8 $\frac{1}{2}$ c lb. Imports at New York were 223 casks.

Palm Kernel Oil—This material continues quiet at unchanged prices of 10c@10 $\frac{1}{2}$ c lb. in barrels.

Perilla Oil—Price of this material is merely nominal at 15 $\frac{1}{2}$ c lb. in barrels.

Rapeseed Oil—No change evidenced in this situation with price unchanged at 92c@93c refined and \$1.14 blown in barrels. Imports for last week 750 barrels.

Sesame Oil—Some of this material has reappeared on the market sold last week for 14 $\frac{1}{2}$ c@15c lb.

Soya Bean Oil—Small lots of crude material are somewhat easier with prices at 13 $\frac{1}{2}$ c@14c lb. Larger lots remain unchanged at 11 $\frac{1}{2}$ c tanks, Coast and 12 $\frac{1}{2}$ c in tanks at New York. Refined material steady at 14 $\frac{1}{2}$ c lb. in barrels.

Animal Oils

Greases—Slightly easier tendency shown in this material with yellow grease down to 8 $\frac{1}{2}$ c lb. Choice white material easier at 11c@11 $\frac{1}{2}$ c lb. with brown and house unchanged at 8 $\frac{1}{2}$ c.

Lard Oil—No change in this material with prime edible at 18 $\frac{1}{2}$ c lb.; off prime at 15 $\frac{1}{2}$ c; extra at 14 $\frac{1}{2}$ c; extra No. 1 at 13 $\frac{1}{2}$ c; No. 1 at 13c and No. 2 at 12 $\frac{1}{2}$ c.

Neatsfoot Oil—No further change since last week with 20° c.t. at 18 $\frac{1}{2}$ c lb. in barrels; pure at 15 $\frac{1}{2}$ c; extra at 13 $\frac{1}{2}$ c and No. 1 at 13c.

Oleo Oil—No further reduction shown in this material with No. 1 firming up at 12c lb.; No. 2 at 11c and No. 3 at 10c.

Red Oil—Saponified material has eased off to 11½c due to easing of tallow. Refined material remains unchanged at 11½c lb. in barrels.

Stearic Acid—An upward trend is shown in this material with single pressed unchanged at 13c lb., double pressed up to 14½c@14½c and triple pressed up to 16½c@17c for both the distilled and saponified.

Stearine Oleo—A slight increase shown by this product which is now up to 10½c@10½c lb.

Tallow—This material continues its downward course, having reached 10½c lb. for edible material and 8½c for city, extra loose.

Tallow Oil—This price remains unchanged at 12c@13½c for the acidless as to amount.

Fish Oils

Cod Oil—This material remains inactive at 62c@65c gal. in barrels and 55c@57c in tanks. Imports for last week 610 casks.

Menhaden Oil—Inactivity still characterizes this market with prices for crude material merely nominal. Light strained material steady at 80c@82c gal, yellow bleached at 83c@85c, extra bleached at 85c@87c and blown at 11c lb.

SWEDEN DOUBLES SOYA BEAN IMPORTS

Sweden's vegetable oil industry has shown rapid development within recent years, says Consul W. A. Leonard, Stockholm, in a report to the Department of Commerce. Soya-bean oil production has shown a particularly marked development in Sweden. It is estimated that in 1923 approximately 50,000 of the 54,557 tons of soya beans, vetch, and peas imported were soya beans—almost double the import of 1922—which means a corresponding increase in the production of soya-bean oil, as there appears to be no re-exportation of soya beans from Sweden.

The growth of the domestic industry does not seem to have greatly affected the imports of foreign soya-bean oil, which averages between 4,000 and 5,000 tons a year, but an export trade has developed, principally to Norway, which increased from 228 tons in 1922 to 1,170 tons in 1923.

Production of linseed oil has also increased within recent years. Imports of linseed in 1923 reached 30,595 tons, which is a record figure. The import supply is chiefly from Argentina. As there is practically no export of linseed, the importation is consumed in the domestic industry in the seven linseed-oil factories.

The most important countries producing vegetable oils in Europe are England, France, Germany and Holland, says the Netherlands Chamber of Commerce, New York. These four countries import yearly more than 3½ million tons of oilseed, from which they produce 1¼ million tons of oil. These vegetable oils form the basis of the margarine, linoleum, soap and paint industries. Holland's production of vegetable oils in 1923 totalled 198,315 tons, made from imported seeds totalling 478,719 tons. Holland produces more than it needs for domestic consumption. In 1923 it produced 198,315 tons, imported oil totalling 61,138 tons, exported 159,689 tons, and consumed 99,764 tons.

Sale of Southern Cotton Oil Co., owned by Virginia Carolina Chemical Co., to a syndicate headed by Rudolph Schecht, President of the Hibernia Bank and Trust Company, of New Orleans, was confirmed by Federal Judge Runyon in Newark, N. J. on Tuesday. The price is \$9,500,000. Another bid by Leroy Springs and others was higher, but the receivers favored the New Orleans group.

HOGS MAY BOOST THE OIL MARKET

Government statistics show that farmers have been getting rid of their hogs as rapidly as possible lately because they can sell their corn for more than it is worth to keep the hogs. On Feb. 1, there were 12,000,000 less hogs in this country and Canada than at the same time last year. This has already affected the vegetable oil market and is expected to affect it still further.

Hogs have been sold that yield far less fat than has heretofore been the case and even 2,000,000 breeding sows have been sacrificed. This means there will be a shortage of young pigs this coming season with a consequent shortage of futures in lard and also will turn more grain into the market and produce a larger amount of vegetable oils, as well as increasing the demand for these oils.

Some dealers believe that the bottom has been reached in the oil market and are looking for a rapid upturn early in March.

COTTONSEED OIL OUTPUT LARGER

Cottonseed crushed during the six months' period, Aug. 1 to Jan. 31, totaled 3,242,325 tons, compared with 2,402,545 for the same period a year ago, and cottonseed on hand at mills Jan. 31 totaled 898,671 tons, compared with 578,378 a year ago, the Census Bureau announces.

Cottonseed products in the six-month period and on hand Jan. 31 included: Crude oil produced 971,257,902 pounds, compared with 707,186,083, and on hand 120,997,033 pounds, compared with 135,934,532; refined oil produced, 766,328,973 pounds, compared with 506,430,300, and on hand 303,506,402 pounds, compared with 173,310,671.

Exports for the six months included crude oil, 13,778,882 pounds, compared with 15,790,246 for the same period a year ago; refined oil, 18,374,635 pounds, compared with 7,898,879; cake and meal, 320,439 tons, compared with 76,753, and linters 77,942 bales, compared with 35,675.

OLIVE OIL OUTPUT INCREASES 16 P. C.

Estimates of the olive oil produced from the 1924 crop for all the important producing countries around the Mediterranean, show a total of 790,600 short tons of oil compared with 677,300 short tons produced last year, or an increase of 16.7 per cent. The latter estimates for Italy for the 1924 crop, although lower than those issued early in the season, are still well above the 1923 figures. The Greek crop is noteworthy because of the increase of 145 per cent over the 1923 production. This increase, together with the increase in Spain and Italy, offsets the poorer yields in the smaller producing countries of Asia, Northern Africa about holding its own.

According to the International Institute of Agriculture, Spain has increased the acreage devoted to olive culture to 4,287,000 acres in 1924 from 4,013,000 acres in 1923, and an average of 3,918,800 acres for the five years 1918-22.

Whale oil exported from Grenada is subject to duty as follows: 1s 3d for every 40 lb. barrel of the first 4,000 barrels exported by one company, and 2s 6d for each barrel in excess of 4,000. On every bag of whale guano 1s is charged.

Exports of copra from Samoa during 1924 are estimated at about 14,000 tons, of which practically all went through the London market. The market eased off at the last of the year, dropping from £31 to £28 per ton.

Chinawood oil shipped to this country through Hongkong in 1923 was valued at \$1,150,692, an increase of \$965,889 over the previous year.

Miscellaneous Rare Materials

Heavy Chemicals, 590-615; Tan and Dyestuff, pages 590-615; Fatty Oils, 615-616

MAKERS REDUCE ENGLISH VERMILION

Recent Drop in Quicksilver Responsible—Lead Pigments Easy, But Unchanged, on Weakness of Metal—Antimony Sulfurette Strong Although Raw Material Is Down—Lower Grade Rosins Recover.

In a quieter market for raw materials for the rubber, glass, leather, paper, textile, and allied trades, nothing outside of routine developments has been reported. Price changes have been few and on the whole demand has not been up to the January average during the past week for most products. Little change in quoted levels is noted, although indications that some shading here and there is being done to get competitive business. Following the recent break in quicksilver prices, manufacturers of English vermillion have cut quotations five cents. The weakness of lead metal holds lead oxides and other pigments somewhat easy, although no change from the lower prices of last week is noted. Antimony sulfurette continues strong in the face of a three cent recession in antimony last week. Lower grades of rosins have recovered from lower prices to some extent. Whiting and talc show no changes.

ACCELERATORS

Aniline Oil—See Intermediate and Dye Market Report.

Diphenylguanidine—Moving in steady volume at \$1.10 lb. spot for 100lb. lots, and \$1.05 lb for 1,000lb. quantities.

Hexamethylene—Price steady at 82½c@85c lb. spot as to quantity. Export demand active, and domestic consumption reported on increase.

Thiocarbanilide—Price of 27c@29c lb. spot is unchanged.

Quinoidine—Supplies ample for present needs at 40c lb. spot in drums.

ALBUMENS

Blood—This material continues to move in a routine manner with prices lower at 47c@50c lb.

Egg—Normal activity reported for last week with prices at \$1.29@\$1.35 for the edible and 95c@\$1.05 for technical.

CLAYS AND FILLERS

Barytes—This material is moving in a normal manner with prices unchanged at \$26@\$28 ton for floated in barrels, and \$30@\$35 ton for the imported.

Blanc Fixe—Routine movement is reported in this market with prices firm at \$75@\$90 ton for the dry material as to grade, color and oil absorption. Pulp unchanged at \$50@\$60 ton.

Clay—Prices in this material fixed for the year unless some unforeseen development arises. Contracts being closed at \$12.50@\$15.00 for bulk filler clay; \$18@\$22 for imported coating clay and \$20@\$25 for imported ground clay, containers extra. Domestic clays show no change at \$6@\$9 for crude; \$11@\$13 washed and ground and \$14@\$16 ton, f.o.b. works for high grade material.

Talc—Normal activity reported for the week with no price changes. Domestic material quoted at \$12@\$15 ton crude; \$16@\$18 refined and \$32@\$40 for the high grade material. French white refined material unchanged at \$38@\$45 ton and Italian easier at \$45@\$50 ton.

Whiting—Routine movement continues in this ma-

terial with prices steady at \$1.00@\$1.15 100lb. for domestic material and \$18@\$30 ton for the imported as to grade.

COLORS AND PIGMENTS

Antimony Sulfurette—In active demand at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson goods.

Blues—Increased demand shown last week with no price changes yet in evidence. Prices of 35c@37c lb. for Prussian, Milori, Chinese, bronze and soluble continued to be quoted.

Carbon Black—Price at works generally quoted at 6c@6½c lb. in c/l, and ordinary on spot in lc/l in cases for 9c@10c lb.; air floated, 10c@11c lb.; and compressed material, 9c@10c lb. Export demand active.

Chrome Colors—No price change reported despite increased activity. The yellows continue to be quoted at 20c@22c lb. The C.P. greens are reported steady at 29c@38c as to shade and the commercial greens steady at 6½c@11c lb. as to grade and percentage of color.

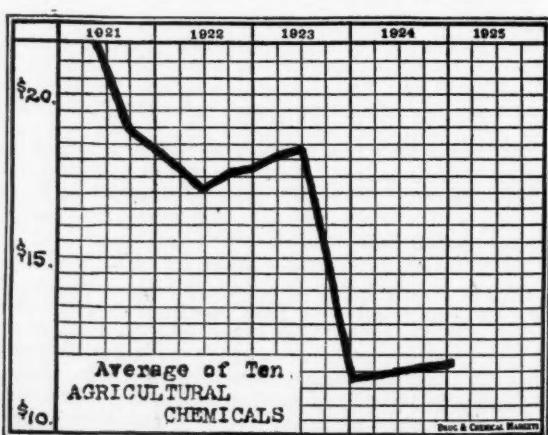
Iron Oxide—This material remains unchanged at 23½c@3½c lb. for the Spanish, 3c@6c for natural domestic and 10c@12c for English and domestic manufactured material.

Lithopone—Somewhat increased activity reported with prices steady at 6½c@6½c lb. for domestic material and 5c@6c for imported.

Red Toners—Para red toners continue to exhibit normal activity with prices remaining at 90c@\$1.00. Toluidine toners unchanged at \$1.80@\$2.05.

Agricultural Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 65°	...ton	\$14.00	\$14.00	\$14.50	\$35.00	\$20.00
Ammonium Sulfate, 100lbs.	2.60	2.60	2.75	3.00	7.75	2.65
Arsenic	...lb.	.05½	.05½	.05½	.11½	.04
Cooper Sulfate	100lbs.	4.70	4.70	4.65	20.00	4.05
Paris Green	.....	.21	.21	.25	.26	.11
Potash Muriate, 90%...ton	34.55	34.55	34.55	35.55		
Potash Sulfate, 90%...ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16%...ton	9.50	9.50	9.50	7.50	21.00	15.00
Phosphate, Rock 68%...ton	2.25	2.25	2.25	2.25	11.00	3.00
Sodium Nitrate	100lbs.	2.66	2.66	2.62	2.49	5.00
Average	.....	11.637	11.637	11.652	11.814	103.50
						13.84



Vermilion—Prices marked down by makers to \$1.35 @ \$1.40 with still lower figures heard.

Zinc Oxide—Increased activity has firmed this material with prices unchanged. French process quoted at 10½c@12½c lb.; green seal at 11½@12½c; white seal at 12c@12½c lb. and American process material at 8½c@8¾c lb.

DYE AND TAN WOODS

Divi-Divi—This material remains scarce with holders asking \$55.00 ton in bags.

Mangrove—There is none of this material to be had and any price quoted would be nominal only.

Myrobalans—European purchasers with poor buying interest here have practically cleaned this market to that any material to be had remains up around \$60@\$65 ton for J1's; \$47@\$50 for J2's and \$47 for R2's.

Sumac—Sicilian material still up around \$162@\$175 ton and Virginia material at \$55@\$60 ton.

Valonia—This material seems somewhat easier with cups down to \$37 ton, beards at \$54@\$55 ton and mixture down to \$43 ton.

EXTRACTS

Archil—This material remains the same with double quoted at 13c@14c lb.; triple at 16c@17c and concentratated at 18c@20c lb.

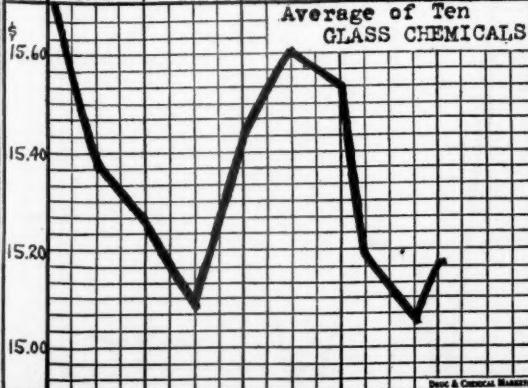
Chestnut—No price change in this material with normal activity reported. Clarified steady at 13½c@2c lb. in tanks and 2½c@2½c in barrels.

Gambier—Prices remain unchanged in this material with 20c lb for common; 14c@15c lb. for 25% liquid and 24c@25c lb. for Singapore cubes.

Hematine—Crystals remain unchanged at 14c@18c lb. and paste at 0½c@13c lb. No change reported in this situation.

Glass Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Arsenic	100lb. \$5.25	\$6.25	\$5.75	\$12.75	\$18.00	\$4.00
Fluorspar 96% c.i.f. ....ton	34.00	34.00	34.00	33.50	60.00	28.00
Limestone, ground ....ton	4.50	4.50	4.50	5.00	8.50	4.00
Litharge .....100lb. 12.25	12.25	12.75	16.00	17.00	9.00	
Salt Cake ....ton	18.00	18.00	18.00	21.00	40.00	15.00
Silica, crude ....ton	16.00	10.00	10.00	10.00	20.00	8.00
Soda Ash, dense ....100lb. 1.45	1.45	1.45	1.45	4.10	.69	
Sodium Silicofluoride 100lb. 4.50	4.50	4.50	4.25	6.00	10.00	3.50
Sodium Sulfate, anhyd. 100lb. 3.00	3.00	3.00	3.50	8.00	2.50	
Tin Oxide .....100lb. 58.00	58.00	58.00	51.00	100.00	60.00	
Average	15.095	15.095	15.40	12.50	28.56	13.07



Logwood—This material continues to move in routine manner with prices unchanged at 8½c@8¾c lb. for the 51° and 7c@8c lb. for lower grades. Solid material unchanged at 12¾c.

Myrobalans—This material is stronger at recent advances. No further change in prices with 25% liquid quoted at 4½c@5½c lb. and 50% solid at 8½c lb. Foreign material can be had for 6½c lb.

Osage Orange—Prices for this material remain unchanged at 6¾c@7c lb. for liquid and 13½@14c lb. for solid.

Quebracho—Quiet market reported in this material with prices unchanged at 5c lb. for 65% material in bales and 3c@3½c for 35% liquid in barrels.

FERTILIZERS

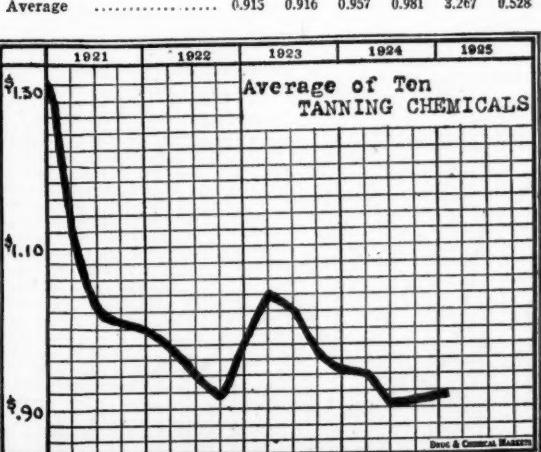
Ammoniates—No new developments in this material with prices unchanged. Dried blood is still steady at \$3.60 unit f.o.b. New York and \$3.50 unit in Chicago. Steamed bone remains at \$22@\$23 a unit in Chicago and raw bone in New York is steady at \$32.50@\$34.00. Prices for fish scrap are nominal as there is no new material to be had. Some dried material is quoted at \$4.50 and 10c unit and some acidulated material is available in Wilmington at \$4.50 and 50c unit. Tankage remains quiet at \$3.70 and 10c unit for the ground and screened material in New York and \$3.10 and 10c in Chicago.

Ammonium Sulfate—None to be had in the South with a spotty demand in the North. Prices remain unchanged at \$2.90@\$3.00, delivered northern points and \$3.10@\$3.15 southern points. Export material continues nominal at \$3.10 f.a.s.

Acid Phosphate—The 16% guaranteed material con-

Leather Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.10½	.10½	.10½	.11½	.14	1.50% .07
Acid, Lactic, 22% dark....	.05½	.05½	.05½	.05½	.04½ .07	.02
Potassium Bichromate .....	.05½	.08½	.08½	.09½	.65	.06½
Epsom Salt, tech. ....ton	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, Imp....	.10½	.10½	.10½	.11½	1.25	.18
Soda Ash, 58% wks.....	1.38	1.38	1.39	1.38	4.10	.69
Sodium Bichromate .....	.06½	.06½	.06½	.07½	.45	.04½
Sodium Hyposulphite, peat.	2.50	2.50	2.50	2.75	3.75	1.00
Sodium Sulfide, 60% wks..	.04	.04	.03½	.03½	.10½	.02½
Average	0.915	0.916	0.957	0.981	3.267	0.528



tinues to be quoted at \$9.50 with no change in the general situation:

Cyanuide—Makers continue to quote this material at \$1.95@\$2.00 for immediate delivery and \$1.85 for March-April delivery.

Nitrogenous Material—This material continues to move in a routine manner at steady price of \$3.20@\$3.25 c.i.f. Atlantic Ports.

Sodium Nitrate—See Heavy Chemical Market Report.

Cottonseed Meal—This material remains the same with prices for 7% material remaining at \$33@\$35.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market Report.

Calcium Arsenate—This material has been marked down to 6c@8c lb. with increased interest shown.

Copper Carbonate—No change indicated in this material with price steady at 16½c@17½c with some lower figures reported.

Copper Sulfate—See Heavy Chemical Market Report.

Lead Arsenate—With lead and arsenic both weak on the market this material has gone down during the past week to 15c@16c dry in carlots and 9c@11c for the paste.

Paris Green—No change in this situation with makers producing against the opening of the season and holding the prices at 21c@24c lb. arsenic basis in kegs.

METALS

The metal market showed a general weakening during the past week. Antimony is particularly weak on March-April shipments and spot material has weakened some what in sympathy, closing for the week at 18½c@19c lb. or a drop of 3c from last week's figure. Copper struck its lowest figure for the year during the week but came back somewhat although it lacked buoyancy at the end

of the week. Lake material closed at last week's figure of \$14.87½@\$15.00 100lb.; electrolytic was down to \$14.62½@\$14.75 and casting down to \$14.12½. Lead recorded a further decline with prices now at what is considered by some to be the normal level. Spot material in New York closed at \$9.25 and in East St. Louis at \$9.00@\$9.12½ 100lb. Zinc recorded the only advance for the week due to scarcity of spot material and closed at \$7.92½@\$7.95 in New York and \$7.57½@\$7.60 in East St. Louis with futures quoted at 2½ points lower.

NAVAL STORES

Rosins—Fair business reported with a return in price of some of the lower grades. Grade B remains at \$8.20; grades D to G went up to \$8.25; H up to \$8.30; I recovered to \$8.35; K up to \$8.60; M unchanged at \$8.90; N up to \$9.30; WG steady at \$9.50 and WW at \$10.60.

Pine Oil—Continued quietness exists in this market with prices steady at 66c for steam distilled and 63c lb 64c for destructive distilled.

Tar—Firmness characterized this market with leading factors sold many weeks ahead. Prices unchanged at \$13.50 for both retort and kiln product.

Turpentine—This market remained quiet with no price change. Steam distilled material remained steady at 94c and destructive distilled at 84c gal.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

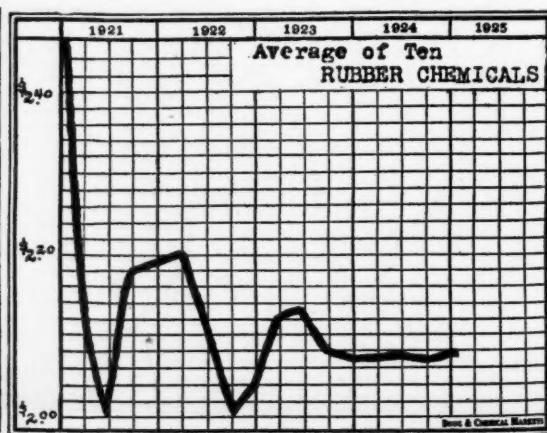
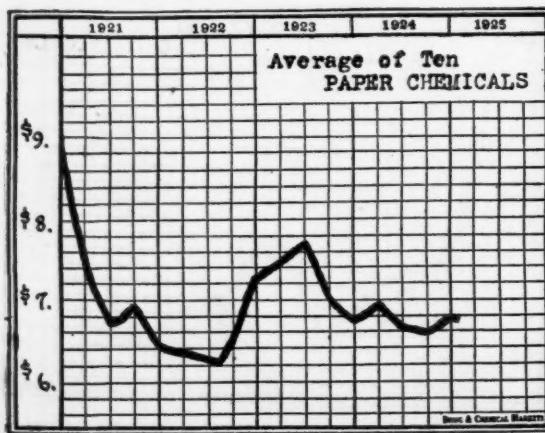
Savannah, Ga., Feb. 20—Rosins closed firm at levels about 2½c@5c above those of last week on most grades. The demand is increasing and shipments are reducing stocks sufficiently so that higher prices are anticipated for early March. Receipts for the week were 5,361 bbls.; stock on hand is 65,711 bbls. Closing prices were: B \$6.85 @ \$6.97½; D, E, F, G \$5.97½@\$700; H \$7.00;

Paper Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.00	\$2.00	\$2.00	\$2.40	\$8.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Casein .....	.12½	.12½	.11	.11	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.05	.50	.08
Salt Cake	17.00	17.00	19.00	20.00	80.00	11.00
Sodium Silicate, 40° .....	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.60
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	8.25	8.20	8.30	5.85	4.50	20.25
Average	5.951	5.946	6.155	6.015	13.30	5.50

Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim..	\$.39	\$.39	\$.39	\$.39	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.09	.11	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.82½	1.35	
Iron Oxide, Span. ....	.03	.03	.03	.03	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06½	.08	.04
Sulfur	3.00	3.00	3.00	3.05	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer. ....	.08½	.08½	.08½	.07½	.09½	
Average	3.454	3.454	3.449	3.462	5.937	..



I \$7.05; K \$7.25@\$7.30; M \$7.70; N \$8.00; WG \$8.30; WW, X \$9.30.

Turpentine was firmly held and bids of 86c@87c were refused and all offerings were bid in at 88c. Stocks are decreasing to such an extent that within thirty days a much stronger market and higher prices are anticipated. Receipts for the week were 713 bbls.; stock on hand 1,9010 bbls.

Jacksonville, Fla., Feb. 20—Turpentine firm at 88c with total sales of 535 bbls. A small lot of 30 bbls. was carried over after a bid of 88c had been refused. Buying was active and the undertone was improved. Rosins closed at following prices: B, D \$6.95; E, F, G, H \$7.00; I \$7.05; K \$7.25; M \$7.70; N \$8.00; WG \$8.20; WW \$9.20; X \$9.30. Stocks of rosin are 107,590 bbls.; and of turpentine 24,359 bbls.

STARCHES, DEXTRINES AND SIZES

Amber Sorts—See Crude Drug Markets—Arabic Gum.

British Gum—This material continues to move in a normal manner with no price change indicated. Prices remain at \$5.12@\$5.22 as to amount purchased.

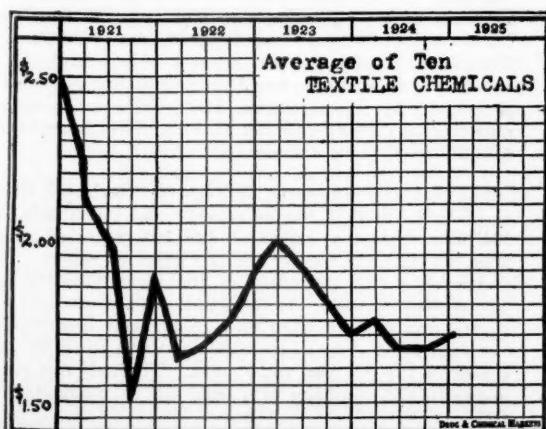
Casein—Active demand coupled with low production due to the season of the year keeps the price of this material up to 12c@13c for imported; 13½c for domestic, ordinary mesh and 16½c domestic 100 mesh.

Dextrine—Slight activity shown as most buyers laid in their supplies last month. Prices remain unchanged, at \$4.72@\$4.82 for yellow and 8½c@9c lb. for potato \$4.62@\$4.72 for white corn as to quantity purchased; dextrine as to grade.

Starch—Quiet market reported in this material with prices steady at \$4.07@\$4.17 for powdered corn; \$3.97@\$4.07 for pearl, prices being for 100 lbs. and 5c@5½c for domestic potato and 6½c@7c lb. for imported.

Textile Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic	.10%	.10%	.10%	.11	.70	.075
Bleaching Powder	1.90	1.90	1.90	1.75	9.50	1.50
Copper Sulfate	4.70	4.70	4.70	4.75	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.50
Potash, Caustic, Imp.	.07%	.07%	.07%	.06%	.87	.12
Soda Ash, 55% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Ash, 55% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate	.06%	.06%	.06%	.07%	.45	.044
Average	1.784	1.784	1.785	1.803	4.800	1.25



RECORDS STRESS STRAINS OF RUBBER

C. S. Williams, a technologist in the Rubber Service Laboratories of the R & H Chemical Co., has perfected a stress strain recording device that may be readily attached to the usual standard type testing machine. The principle upon which this device is based lies in the action of two pointers which follow marks made one inch apart on the rubber sample. As the sample is stretched these marks are separated, the recording chart is raised an equal distance and simultaneously a pen is carried across the chart at right angles to an amount proportional to the pounds tension applied.

The device is a definite addition to testing resources. In making it widely available Roessler & Hasslacher Chemical Co. is actuated by the spirit of co-operation which they display toward the industries they serve. Further details may be obtained by writing Roessler & Hasslacher Chemical Co., 709 Sixth Ave., New York.

Secretary Hoover, in a report to the Senate, states that there has been a slump in the calf leather tanning industry of this country since 1920. More than a score of foreign tanners have opened agencies in this country since they are able to produce at lower cost than American tanners, due to the difference in the wage scale.

Imports into Canada of dyeing and tanning materials during November, 1924, were valued as follows: From Britain, \$32,156; United States, \$182,117; other countries, \$82,352; total, \$296,625; compared with imports in November, 1923: From Britain, \$28,176; United States, \$200,072; other countries, \$162,813; total, \$391,061.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

American Cleaners and Dyers, Inc., Springfield, Mass., \$50,000. Jacob H. Schub, Max Rich, Sam Shapiro, Harry A. Mullen. Gleasonite Products Co., Boston, Mass., \$500,000 and 2,000 shares with no par value. Rubber products. Max Brown, Frederick J. Gleason, George F. Kerr.

F. S. Bartlett and Son, Inc., Woburn, Mass., \$500,000. Water-proofing. Frank S. Bartlett, Edward C. Bartlett, George P. Wyer.

R. Blum Co., Boston, Mass., \$25,000. Sponges and chamois.

Elizabeth Blum, Leon Block, John J. Hayes.

Irving Silverman, New York, \$25,000. Drugs and chemicals. I. Silverman, J. A. Sussman, C. Goldberg. Attorney, J. T. Robbins, New York.

Schwartz & Forger, New York, \$100,000. Dyeing. G. V. Reilly, H. O. Hand, S. C. Wood. Attorneys, McGuire, Horner & Smith, New York.

Ever-Brite Products Co., Wilmington, Del., \$250,000. Manufacture tarnish proof compositions. Franklin L. Mettler, Wilmington.

Chemical Associates, New York, 300 shares common stock, no par value. Realty, M. R. Spink, M. Rubinstein, D. Merenstein, Attorneys, Baker & Obermeier, New York.

Gerlinger Drug Products, New York, \$30,000. J. J. Gerlinger, W. W. and M. Campbell. Attorney, A. R. Moynihan, New York.

Versailles, Dover, Del., \$1,600,000. Perfumes, toilet accessories, etc. United States Corporation Co.

Pacific Lime & Cement Corp., Dover, Del., \$20,000,000. U. S. Corporation.

Margo-Nance, New York, 200 shares common stock, no par value. Make perfumeries. H. E. Herman, A. O. Ernst, H. Lehrich. Attorney, Herman & Ernst, New York.

Waters Bros., Wilmington, Del., \$550,000. Drugs and groceries. Delaware Incorporating Co.

H. W. Stark Drug Co., Gainesville, Tex., \$100,000. H. W. Stark, Jack Frost, V. A. Gravitt, C. H. Gravitt, Frank Steele, Aganor Products Co., New York, 100 shares preferred stock, \$100 each and 1,000 shares common, \$10 each. Toilet preparations. G. G. Phillips, E. R. Lacava. Attorney, M. M. McCullough, New York.

Canadian Incorporations

The Instant Polish Co., Ltd., Barrie, Ont., \$500,000. To manufacture polish for metals. Sarah E. Arnold, Edith W. Arnold Wm. A. Buys.

Ayerst McKenna & Harrison, Ltd., Montreal, Que., \$145,000 and 500 shares of no par value. Francis J. Laverty, Charles Hale S. G. Dixon.

Dominion Industrial Alcohol, Ltd., Toronto, Ont., 500,000 shares of no par value. To manufacture alcohol. Masie McMullen, Ida MacDonald, Elizabeth F. Bell.

Liskeard Woollen Mills, Ltd., New Liskeard, Ont., \$40,000. To manufacture textiles. Eleazar C. Childerhouse, Morley F. Pumaville, Marjorie Childerhouse.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Feb. 21

	Bid	Asked		Bid	Asked
*Air Reduction	105 1/2	126	Hercules Powder	.96	102
Allied Chem. & D.	87 1/2	87 1/2	Hercules Powd., pf.	106	108
*Allied C. & D., pf.	118 3/4	118 3/4	Heyden Chem.	2 1/4	—
*Am. Ag. Ch.	20 3/4	20 3/4	Hoover Electro	12	15
*Am. Ag. Ch., pf.	52 1/2	53	Hoover Electro, pf.	40	45
*Am. Chicle	44	44 1/2	"Household Products	35 1/4	35 1/4
*Am. Chicle, pf.	94	99 1/2	*Int. Agricult.	12 1/2	—
*Am. Cyan	122	126	*Int. Agricult., new	8 1/4	9
*Am. Cyan, pf.	82	84	*Int. Nickel	27 1/2	27 1/2
*Am. Druggists, S.	6 1/4	6 1/4	*Int. Nickel, pf.	97	97
Am. Glue	47	50	*Int. Salt	70 1/2	74 1/2
Am. Glue, pf.	106	109	Mathieson Alk.	.68	68 1/2
Am. Linseed	28	28 1/2	Mathieson Alk., pf.	97	101
*Am. Linseed, pf.	65	65 1/2	MacAnd. & Forbes	154	157
*Am. Metal	40 1/2	49 1/2	MacA. & Forbes, pf.	—	101
*Am. Zinc	94	97 1/2	Merk & Co., pf.	57	60
*Am. Zinc, pf.	32	33 1/2	Merrimac	84	86
Archer-Dan-Mid.	32 1/2	33 1/2	Mulford Co.	30	33
Archer-Dan-Mid., pf.	95	97	"National Lead	160	163
*Atlas Powder	50	52 1/2	*National Lead, pf.	114 1/2	—
*Atlas Powd., pf.	92	94 1/2	Niag. A., pf.	80	85
By-Prod. Co.	46	49	N. J. Zinc	160	164
By-Prod. Co., pf.	102	105	Parke, Davis & Co.	77	80
Canad. Ind. Al.	18 1/2	19 1/2	Penn Salt	81	83
Canad. Salt	105	115	*Peoples Gas, Chi.	116 1/2	117
Casein Co.	62	66	Procter & Gamble	111	113
Celluloid Co.	42	45	Procter & Gam., pf.	158	—
Celluloid Co., pf.	92	96	Royal Bkg. Pow.	148	152
*Certain-teed Prods.	42	43	Royal Bkg. Pow., pf.	100	101
Charcoal Iron	10	20	Shawinigan	130	132
Ches. Mfg.	47	49	Sherwin-Williams	34 1/2	—
Ches. Mfg., pf.	112	115	Sherwin-Willis, 1st pf.	103 1/2	110
Clark Co., Fred.	2 1/2	4	*Sterling Prod.	63 1/2	63 1/2
Cleve. Cliffs Iron	70	75	Swan & Finch	20	24
*Com. Solv. A.	168	170	*Tenn. C. & Chem.	8 1/2	8 1/2
Do. B.	167	169	*Tex. Gulf, Sul.	101 1/2	102
*Corn Products	30 1/2	39 1/2	Union Carbide	59 1/2	—
*Corn Products, pf.	119	120 1/2	Un. Drug	116 1/2	118
*Davison Chem.	43 1/2	44	Un. Drug, 1st pf.	52 1/2	52 1/2
Dow Chem. no par	55	65	*Un. Dyewood	20	26
Dow Dow Co.	98	102	*Un. Dyewood, pf.	52	55
Dow Drug Co.	140	—	Un. Gas Imp.	57	59
Dow Drug Co., pf.	105	108	Un. Gas Imp., pf.	86	87
*Du Pont, Deb.	95 1/2	96	U. S. Gypsum	127	132
*Du Pont de Nem.	147	147 1/2	U. S. Indus. Al.	80 1/2	83
*Eastman Kodak	114	114 1/2	U. S. Indus. Al., pf.	105	107
*Eastman Kodak, pf.	114	—	*Va. Car. Ch.	2 1/2	3
*Freeport Tex.	94	10	*Va. Car. Ch., pf.	12 1/2	13
*Gen. Asphalt	57	57 1/2	*V. Vivaudou	11 1/2	11 1/2
*Genl. Asphalt, pf.	95	97	Will & Baumer	12	14
*Gold Dust	39	39 1/2			
Grasselli	125	130			
Grasselli, pf.	101	103			

*Listed on New York Stock Exchange

Unlisted Stocks Through Courtesy Pyncheon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.76
France (franc)	.183	.052
Italy (lira)	.198	.041
Belgium (franc)	.193	.050
Czechoslovakia (crown) per hundred	20.30	.029
Denmark (krone)	.268	.178
Germany (mark)	.228	.228
Holland (florin)	.402	.401
Norway (krone)	.258	.152
Poland (zloty)	.193	.192
Spain (peseta)	.193	.142
Sweden (krone)	.268	.269
Switzerland (franc)	.193	.192
Argentina (peso)	.424	.395
Brazil (milreis)	.324	.111
Japan (yen)	.499	.391
India (rupee)	.485	.356
China (Silver dollar, Hongkong)	.788	.555
(Taels-Peking, silver)	1.156	.786
(Taels-Shanghai, silver)	1.986	.753

Stockholders of United Drug Co. have approved the increase in authorized first preferred stock from \$20,000,000 to \$35,000,000 to be used in part to complete the absorption of Liggett's International Ltd.

U. S. Gypsum Co. reports net earnings of \$7,166,380 for 1924 which, after preferred dividends, amounts to \$14.96 on common stock.

Paige & Jones Chemical Co., New York, has increased its capital from \$150,000 to \$400,000.

Financial Notes

International Salt Co. has declared the regular quarterly dividend of 1 1/2 per cent, payable April 1 to holders of record March 16.

Union Carbide & Carbon Co. has declared the regular quarterly dividend of \$1.25 a share, payable April 1 to stockholders of record March 6.

Douglas-Pectin Co. has declared a regular quarterly dividend of 25c a share, payable March 31, to stockholders of record March 2.

Household Products, Inc. reports net profits of \$2,311,960, for 1924, equal to \$4.62 a share against \$2,318,720, or \$4.63 a share, for 1923.

Procter & Gamble Co. has declared the regular quarterly of 1 1/2 per cent on the 6 per cent preferred stock, payable March 14 to holders of record Feb. 25.

Globe Soap Co. has declared the regular quarterly dividends of 1 1/2 per cent on the first, second and special preferred stocks, payable March 16. Books close March 2 and reopen March 17.

Bradford Dyers' Association, London, reports net profits of £944,141 for 1924 against £1,032,152 for 1923. A dividend of 5 shillings a share has been maintained on the ordinary stock.

Whirlpool Products, Inc., Philadelphia, incorporated under the laws of Delaware, has changed its name to Chemical Products Co. of America and increased the authorized capital from \$25,000 to \$2,100,000.

California Cyanamide Co., subsidiary of Air Reduction Co., has issued a call to stockholders for a meeting on March 4 for the authorization of the issue of \$1,250,000 five year 6 per cent gold bonds to wipe out floating indebtedness of \$1,100,000 and provide additional working capital.

At the annual meeting of American Druggists' Syndicate, at 227 Borden ave., Long Island City, N. Y., Feb. 23, a 3 per cent dividend was declared, payable April 15 to stockholders of record March 10. The present officers, George M. McIntosh, president, Parker L. Bailey, treasurer, and S. H. Kent secretary, were re-elected.

Report of Douglas-Pectin Corp. including its subsidiaries, Douglas Packing Co., Ltd., and Oil Emulsion Corp. for year ended Dec. 31, 1924, shows surplus of \$383,771 after depreciation, interest and federal taxes, equal to \$1.27 a share earned on outstanding 300,000 no par shares of capital stock. Previous report covering nine months ended December 31, 1923, showed surplus of \$291,219 or 97 cents a share.

The financial statement of Swan & Finch Oil Corp. as of Sept. 30, 1924, shows a profit and loss surplus of \$347,090, against a deficit of \$490,103, reported as of Sept. 30, 1923, the date of the last previous report. The statement shows the effect of the recapitalization put into effect last year. At that time the par value of the shares was reduced from \$100 to \$25 and stockholders exchanged one share of the \$100 par value stock for two shares of the \$25 par value stock. Through this readjustment the company was enabled to eliminate the deficit.



Primary Markets in Crude Drugs

Crop and Price Outlook in Some Foreign Botanicals Based on Late Reports From Producing Centers

By D. L. SILVERMAN

Aloes, Secotrine—The collection season has about come to an end, and the shipment market is unusually low owing to the non-appearance in the primary market of contract buyers. The aloes crop is usually bought up on contract, and then supplies are held at higher prices. Several parcels have been imported into New York at a cost around 20c per pound, but now nothing is available in first hands. Prices a year ago were as high as 32c pound, and a repetition of these figures is quite likely.

Ambergreis—This article grows more scarce each year owing to the practical extinction of the sperm whale. However, small amounts are collected, and sold at high figures. The trade makes a differentiation between the black and grey qualities, but often times the black is fully equal to the grey. Prices are well maintained at \$6.00 oz. for black and \$22.00 oz. for grey with the possibility of going higher.

Ammoniac Gum—Owing to the small use and stocks for this product, prices are relatively high. Supplies can be bought for shipment at 50c per pound, or lower for large quantities.

Areca Nuts—Primary market is somewhat easier with quotations named at 13c pound for round lots. The temporary scarcity in America during the past two months has caused shippers to strengthen their views. But since that time, the market has eased perceptibly.

Asafetida—The price of 20c per pound for shipment compares sharply with \$4.00 per pound during the World War. Some fair quantities have been exported from Bombay within the past three months at 20c.

Benzoin Gum—The spot market for Sumatra was depressed previous to the exclusion of some large lots by the Department of Agriculture due to not meeting Government standards. If the Department excludes other parcels, a tight situation can be expected in New York, but with the dumping of poor quality material into other markets, a depressed situation is possible, especially in the primary market. Quoted at 21c per pound for shipment.

Buchu Leaves—With growers in Cape Town selling directly to consumers, jobbers are not anxious to stock material with the result that any appreciable demand tends to boost prices. The shipment price has been lower than spot New York for some time due to a number of distressed lots, which contain a high percentage of stems. Import cost in a large way is 76c per pound.

Cardamom Seed—The new crop turned out to be much smaller than anticipated, and at the present prices, this article is very dangerous to handle. Green grindings quoted at 6s 3d. per pound, and decorticated at 8s. to 8s. 6d. per pound for shipment. Little buying in primary market.

Civet—Owing to a large percentage of adulteration of this item, goods can be bought for shipment from \$1.50 up to \$3.25 per ounce as to reputation of the shipper. In the absence of any definite test, purchases are not always made to advantage when the only test is made according to odor.

Cloves—A large short-interest is known to exist in this item, and when they commence to cover most anything may happen. However, with all signs in favor of a rise in cloves, a reversal in form often occurs as is proven by past years. Import costs are now 26½c per pound, and buying has been small at these figures.

Colocynth—The shortage of apples is due to the shippers not finding it profitable to peel apples in order to select the ones that have the least number of seeds so as to satisfy the Department of Agriculture. Pulp is offered freely for shipment at 20c per pound.

Cubeb Berries—Goods are offered for shipment at 50c per pound, guaranteed to pass the Department of Agriculture.

Euphorbia Pilulifera—Supplies for shipment are scarce at 7c per pound, but buying at the same time is small.

Galbanum Gum—Use is limited, and prices are high. Shipment can be done at 70c per pound.

Gamboge Gum—A good pipe quality will bring 72c per pound in the primary market.

Guaiac Gum—Import price is quoted at 28c per pound. Only small quantities are available on spot.

Kava Kava Root—Considerable activity has taken place in the primary market during the past month. Stocks at source are practically exhausted. Nothing is expected to arrive in the spot market for some time to come. Shipment is nominal at 16c per pound.

Kola Nuts—Africa is quoting 4c per pound for shipment with possibility of shading this figure on firm business.

Licorice Root—Turkish root is selling at such low prices that inducements are small to buy other grades. Prices to import in fair quantities are 3c pound, but large consumers, such as the tobacco people, are reported to have bought as low as 1½c per pound. Supplies have been coming to America in 2,000 tons lots,

most of which is used in the tobacco trade. The quality is good and in a number of instances, the Turkish is replacing the Spanish product.

Myrrh Gum—Market is still suffering from over-supply, and goods can be bought in primary market at 20c up to 22c per pound as to quality.

Olibanum Gum—Sittings containing no dust are offered at 11c per pound, and not more than 25 per cent dust at 8½c per pound. Little movement of supplies noted.

Patchouli Leaves—The advance in prices is due to gatherers obtaining more lucrative employment in rubber and spices. Present figure of 13c per pound is exceptionally low. Prices, however, are not expected to advance on spot. If the raw material costs too much, oil can be imported in competition with the domestic made product. At the same time distillers in America are more inclined to buy the leaves, and do their own distilling, than to purchase the oil from abroad, as imported oil is too often adulterated with other materials.

Sticklac—Siam is being used in larger quantities owing to its whiteness. Prices for shipment are named at 44c per pound.

St. John's Bread or Caroubis—A good quality is offered for shipment at 5½c per pound. Some of the recent imports have been barred from the country due to their poor quality.

The early papers describing the first investigations on colloid chemistry are being republished immediately by Ernest Benn, Ltd., London, for the colloids committee of the British Association under the title of "The Foundations of Colloid Chemistry." The volume is under the editorship of Emil Hatschek, and includes papers by Michael Faraday, Thomas Graham, Francesco Selmi and Ascanio Sobrero, van Bommelen and others. Some of these papers have been unobtainable for a long time, and several have never before been translated into English.

A proposed amendment to the pharmacy law of Missouri, which provides that every drug store shall be owned and operated by a registered pharmacist, and in cases of corporations 90 per cent of the stock must be controlled by registered pharmacists, has been approved by members of the Retail Druggists' Association at its monthly meeting, Jan. 20. Under the new law the Board of Pharmacy will be able to check every drug store in the State and prevent men who are not registered pharmacists from operating.

No alcohol seized by the Internal Revenue Department is to be sold without a written statement to the effect that all charges, taxes and duties have been paid. This action has been taken in answer to a complaint that seized alcohol has been sold tax free in competition with houses in the trade.

Features of the proposed headquarters building of the American Pharmaceutical Association are a complete pharmaceutical library in charge of a competent pharmacist, a research laboratory and a pharmaceutical museum. About \$500,000 dollars of the required \$1,000,000 has been subscribed and \$100,000 has been actually received.

Douglas-Pectin Corp., Rochester, N. Y., has been granted a permanent injunction restraining Hood River Apple Vinegar Co., Hood River, Ore., from infringing on patents and copyrights.

Herbert Green & Co., Ltd., London, manufacturer of alcohols and ethers, have moved to 50 Pall Mall, London, S.W. 1.

Books of Trade Interest

THE BOOK OF RECEIPTS. By E. W. Lucas and H. B. Stevens. Twelfth Edition. 473 pages, 8vo. P. Blakiston's Son & Co., Philadelphia. 1924.

The formulas have been revised in most instances, and many sections have been considerably extended. The photographic formulas have been brought up to date, and the pharmaceutical and toilet sections revised in accordance with modern practice. Since the last edition, special laws have been framed dealing with dangerous drugs (Dangerous Drugs Acts, 1920 and 1923). Receipts affected by the new legislation bear the letters D.D.A. by the side of the formula.

THE SYNTHESIS OF NITROGEN RING COMPOUNDS CONTAINING A SINGLE HETERO-ATOM. By Cecil Hollins, B.Sc., with an introduction by J. B. Cohen, F.R.S. Ernest Benn, Ltd., London. 1924.

This book is a comprehensive monograph on a restricted subject which should appeal to all engaged in the synthesis of organic compounds, whether for industrial or purely academic purposes.

THE "CHEMICAL AGE" CHEMICAL DICTIONARY. Published by D. Van Nostrand Co., New York. 158 pages, 8vo. 1924.

The present dictionary is intended to be the fore-runner of successive volumes, each of which will deal with the subject as it appears in its different phases. It has been compiled by experts to meet the needs of all those who have to consult original papers or modern

COLLOID CHEMISTRY. By Jerome Alexander, M.Sc., Consulting Chemist and Chemical Engineer. Illustrated. Second Edition. 198 pages, 8vo. D. Van Nostrand Co., New York.

A large number of new practical applications have been introduced, and the effort has been made to develop the subject in a simple, coherent, and interesting manner, using, as far as possible, non-technical language and homely illustrations, to interest the student in the subject.

CHININUM, or QUININE. By The Bureau For Increasing the Use of Quinine, Amsterdam. Illustrations. 132 pages, 8vo.

The book is made up of articles and reports, which deal with the use of quinine. While most of the reports were written in 1923, several dating back to earlier years, have been added.

THE ELEMENTS OF COLLOIDAL CHEMISTRY. By Herbert Freundlich, Berlin. Translated by George Barger. With diagrams. 322 pages, 8vo. E. P. Dutton & Co., New York. 1924.

The work deals fully with the fundamental principles covering the physico-chemical foundations of colloidal chemistry, including capillary and all kinds of interfacial action and the Brownian movement, as well as colloidal-disperse systems, sols, gels, mists, smokes and foams.

CHEMICAL SYNTHESIS. By Harry Hepworth, D.Sc., F.I.C. 238 pages, 8vo. D. Van Nostrand Co., New York. 1924.

In this work the more important investigations in the domain of natural organic products have been related. A limited field of organic chemistry is covered, but this is only partially surveyed. During recent years, the study of natural organic products has attracted chemists in increasing numbers. The results already obtained have opened up almost infinite possibilities and have brought up new chemical reactions about which little is known.

Imports of drugs and medicines in Guatemala fell off 26 per cent in 1923. Imports from the United States fell from \$257,000 in 1922 to \$187,000 in 1923.

WHO'S WHO— in the Drug Industry

Samuel William Fairchild, Fairchild Bros. & Foster, New York. Born, Stratford, Conn., 1853. Mar., Emily Justine Tappen, New York, Oct. 17, 1877. Educat.: Phila. College Pharmacy, Ph.G., 1873; Ph.M., 1908; Columbia Univ., Sc.M., 1911. Business: Treas. and director of commercial dept. Fairchild Bros. & Co. Public and War Service: Pres. College of Pharmacy, City of New York, 1890-1896; vice-pres. Chamber of Commerce; trustee Poly. Med. School and Hosp.; vice-pres. Sevilla Home for Children; founder, 1904, Fairchild Scholarship for students in Pharmacy in Great Britain & Ireland; 1915 of scholarships in this country for students in pharmacy; one of the incorporators of Bronx Botanical Gardens; member, Metropolitan Museum of Art; dir., France-Amer. Soc.; vice-pres., French Inst. in U. S.; member, Sons of Revolution; Legion of Honour, France; Cross of Officer of Leopold II from King Albert, Belgium; decoration from Queen Elizabeth, Belgium; medal from French Government. Member, Clubs: Union League (N.Y.) (pres. 1911-1915), Princess Anne, Va., (pres.) Bankers (N.Y.), (Board of Gov.) Metropolitan (N.Y.), Metropolitan (Wash.), Devonshire, Eng., Travellers and L'Union Interalliee, Paris. Hobbies: hunting and fishing.

Joel Hall Foy, treas., Maltbie Chemical Co., Newark, N. J. Born, Randolph, N. Y., 1866. Mar., Emma H. Warner, Randolph, N. Y., 1889. Educat.: Common and prep. schools, N. Y. State, and Univ. Buffalo. Business: Retail drug business, 1887-89; treas. and genl. mgr., Maltbie Chem. Co., 1889 to date. Captain Officers Reserve Corps, U.S.A. Member: Many trade associations, Amer. Pharmaceutical Mfrs. Assn. (pres., 1924-25). Hobbies: Fishing, motoring, travel.

Joseph Baird Magnus, vice-pres., Magnus, Mabee & Reynard, New York. Born, New York, May 5, 1896. Mar., Norma Inez Werner, Greenwich, Conn., June 9, 1923. Educat.: N. Y. public schools; Staunton Hill Acad. Business: August Belmont & Co., 1913-14; Magnus, Mabee & Reynard, 1914-17; treas., 1917-23; vice-pres., 1923 to date. U. S. Naval Aviation Service during war. Member: Drug & Chemical Club, American Legion. Hobby: Traveling on railroads.

Henry Bacon Shattuck, vice-pres. and mgr., New York branch, Abbott Laboratories, Chicago. Born, Bridgewater, Vt., Nov. 22, 1857. Mar., Edith Hope Peacock, Nov. 12, 1902. Educat.: Vt. State Normal, 1876-79; St. Johnsbury Acad., 1879-81. Business: Retail drug business, Pittsburg, Kans., 1881-96; asst. to treas., Abbott Alkaloidal Co., 1897; bookkeeper, 1902; secy. and treas., 1905; resigned because of nervous breakdown, 1910, and re-entered Abbott Labs. as New York mgr., 1916; vice-pres., 1924; pres., Board of Educat., Pittsburg, Kans., 1890-91. Member: Salesmen's Assn., Amer. Pharmaceutical Assn., N. Y. Branch Mgrs. Club. Hobby: Fishing.

Henry Tetlow, Henry Tetlow Co., Philadelphia. Born, Phila., July 12, 1893. Mar., Katherine Sexton, Oct. 16, 1917. Educat.: Chestnut Hill Academy, Yale, B.A., 1914. Business: Henry Tetlow Co., 1914 to date. U. S. Army, 1917-19. Member: Yale Club (N.Y.), Mfrs. Club (Phila.), Yale Club (Phila.), Phila. Cricket Club, University Club.

MANUFACTURERS DISCUSS CRAMTON BILL

At meeting of the Eastern members of the American Pharmaceutical Association on Monday, Feb. 16, at the Waldorf Astoria, New York, attention was given to products liability insurance, the bonding of salesmen, the Cramton Bill, the Drug Trade Conference and the unwarranted taking of cash discounts.

The Contract Committee, which is working with the American Drug Manufacturers Association and with the Government, urged that manufacturers of powdered extracts should put on their labels a more definite assay record, and that if requested, they should furnish buyers with copies of assays on the products sold.

The annual meeting will be held in June at white Sulphur Springs, Va.

KITAGUMI CO. ENTERS MENTHOL BUSINESS

This year's percentage of menthol is only 35 per cent, a decrease of about 10 per cent from 1923, according to Kitagumi, Kawachi & Co., Kobe, Japan, who say: "The menthol market is advancing owing to manufacturers having made their purchases of materials for this year. This year's crop of oil amounts to 550,000 kin at Hokkaido and 150,000 kin at Sambi, or based on 35 per cent menthol, the equivalent of 5,500 cases menthol. Everybody expected about 50,000 kin more than was really harvested. About 50 per cent of this year's crop has already been contracted for by exporters, and about 170,000 kin of the oil has been exported. Under the circumstances we do not think the price will go below \$10 per pound, and today (Dec. 18) the price closed better than with Europe, which comes to about \$10.50 for shipment during January-March."

Chemistry teachers in high schools and colleges throughout the country are organizing to reform and harmonize their courses and bring the chemical industry closer to the classroom, according to the Committee of Chemical Education of the American Chemical Society. In some instances they are organizing in connection with branches of the American Chemical Society and in others they are organizing as branches of State teachers' associations. The chief aim of the movement is to correlate college and high school chemistry courses.

Menthol exports from Japan to various countries in 1923 reached the following totals: British India, 10,847 lbs., valued at 149,000 yen; England, 19,973 lbs., valued at 313,000 yen; France, 9,834 lbs., valued at 136,000 yen; Germany, 10,450 lbs., 150,000 yen; United States, 151,457 lbs., 2,236,000 yen; other countries, 24,868 lbs., 372,000 yen.

Victor & Hosken, New York, have obtained permission of the Treasury Department, Bureau of Internal Revenue, to use menthol manufactured by the Hoshi Pharmaceutical Co., Japan, and conforming to the U. S. P. requirements in all respects with the exception of its melting point, for denaturing alcohol.

Production of steam refined codliver oil for all of Norway up to Feb. 11 was 2,993 hectoliters, compared with 3,060 hectoliters for a like period in 1924, and the total catch of cod was 1,700,000, compared with 1,200,000 for a similar period in 1924.

William A. Conner; retired, formerly of the sales organization of Eli Lilly & Co., drug manufacturers, died at his home in Indianapolis Feb. 22 at the age of seventy one after a long illness.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, pages 590-615

CODLIVER ACTIVE ON POOR CATCH REPORT

Shipment Named at \$31.00 bbl. c. i. f. New York—Alcohol Lower in Competition with Resale Material—Mercury Eases Off Further—Imported Soda Bromide Lower—Imported Citric and Tartaric Acids Firm—Resale Podophyllin Easier

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced (No Advances) Declined

Alcohol, Denatured, 2½c lb. Mercury, \$1.05 flask
Bromide, Imp., Sodium, 1c lb. Podophyllin, Resale, 15c lb.

Trend of the Market

	Last Today	Last Week	Last Month	War Peak	Pre- War
Acetanilid	\$.35	\$.35	\$.36	\$.32	\$2.00 0.20
Acid Citric, Import	.46	.46	.46	.48	1.25 .45
Caffeine, Alkaloid	3.75	3.75	3.75	4.00	13.00 3.65
Calomel, American	1.37	1.37	1.22	1.10	3.43 .90
Camphor, Jap., ref.	.66	.66	.66	.79	3.55 .41
Iodine, Resublimed	4.65	4.65	4.65	4.40	5.00 3.75
Menthol	12.00	12.00	11.75	12.50	13.50 3.00
Potassium Bromide, Cryst.	.48	.48	.48	.30	4.30 .80
Quinine Sulfate, Imp.	.50	.50	.50	.50	.90 .25
Sodium Salicylate	.40	.40	.40	.40	4.25 .27
Strychnine Sulfate	.49½	.49½	.49½	.63	1.95 .50
Average	2.27	2.27	2.25	2.32	5.92 1.56

Movement of fine and medicinal chemicals into consuming quarters slowed down somewhat this week. While a slightly easier market exists today in regard to prices, stocks of both domestic chemicals and imported materials are on the short side, according to reports. Naturally with a let-up in demand, one pound is fully as good as a large quantity. But with any pick-up in activity, prices are likely to hold firm, and in a few instances advances might occur as the usual Spring consuming demand sets in. With high prices ruling for shipment from abroad, importers are not taking on contracts unless they have a ready outlet for their goods. Imported bromides appear to be in a slightly easier position, but prices are holding steady with exception of sodium, which is now offered at 40c per pound. A further reduction in mercury has taken place, owing to slower demand and lower prices from London, which are named at £12 10s per flask, or equivalent to \$79.50 per flask laid down in New York. Sales of imported potassium permanganate reported at 14½c per pound in large way.

Acetanilid—In active demand at 35c@37c lb. spot as to maker and quantity. Resale quarters also quote 35c lb. Higher prices have been threatened for some time past, but as yet have not taken place.

Acetphenetidin—Makers report a quiet market at \$1.85 @ \$1.90 lb. spot as to quantity.

Acid, Acetylsalicylic—Resale quarters are naming 70c @ 72c lb. spot as to quantity, while makers quote 75c@ 80c lb. Demand steady.

Acid, Citric—Imported firm at 46c@47c lb. spot as to quantity with shipment named at 29½c lb. c. i. f. New York, and inside thereat. Importers are doing little forward business. If anything, the bulk of the sale of the imported is being done by a few hands, and the tendency has been for the small importer to keep out of the market now. Domestic, 46c@47c lb.

Acid, Diethylbarbituric—While imported is generally quoted at \$4.10@\$4.25 lb. spot, some importers are holding at \$4.50 lb. The change in duty has not affected the imported article, according to reports. Just as much material is being brought in as formerly. Domestic, \$8.00@\$9.00 lb.

Acid, Gallic—Quiet at 65c lb. spot for U. S. P. material.

Acid, Salicylic—Makers are steady at 35c lb. spot, and resale quarters name 33c lb. Japan reported taking large quantities.

Acid, Tartaric—Imported firm and active at 27½c@ 28c lb. spot for usual quantities, although 27c lb. is still possible in a big way. Import cost inside at 21¼c lb. c. i. f. New York. Buyers are in the market at slightly lower figures, but cannot place their orders due to firmness abroad. Domestic, 29c lb.

Alcohol—Makers have reduced their price owing to competition with resale material, and now quote 55c gal. spot for No. 1 specially denatured in barrels, and 53c gal. for No. 6 completely denatured. Consumers have taken on more contract material than they have use for, and are, therefore, letting it out at a slight concession. Then too, imported alcohol is being sold more in this market than heretofore.

Alcohol, Butyl—Firm and active at 27½c lb. works in c.l.

Aloin—Quoted at 85c@88c lb. spot, and quiet thereat.

Amidopyrine—Domestic makers adhere to \$4.60 lb. spot, while imported is inside at \$4.75 lb.

Bay Rum—St. Thomas is available at 90c@95c spot gal. as to quantity, and Porto Rican at the same figures. Domestic, 72c gal.

Bromides—Imported sodium has declined to 40c@42c lb. spot owing smaller demand; potassium, 38c lb.; and ammonium scarce at 48c lb. Present holders are becoming alarmed on the non-movement of their stocks, and present prices can undoubtedly be shaded. Domestic named at 54c lb. for ammonium; and 48c lb. for either potassium or sodium material.

Butyl Acetate—New schedule of prices is as follows: Tank car works, \$2.25 gal.; drums, \$2.27 gal.; and less quantities \$2.30 gal. Market has been strong for some time past.

Caffeine Alkaloid—Steady at \$3.75@\$3.85 lb. spot by makers, although resellers are quoting \$3.50 lb.

Camphor—Generally quoted at 66c@67c lb. spot for Japanese, 2½ lb. slabs with shipment named at 59c lb. c. i. f. New York. Domestic, 80c lb. in bulk.

Castor Oil—U. S. P. easy at 17½c@18½c lb. spot as to quantity.

Cocoa Butter—Bulk quoted steady at 27½c@30c lb. as to quantity, and fingers at 35c lb.

Codliver Oil—Market firm at \$32.50@\$34.00 bbl. spot for Norwegian as to quantity with shipment of new oil named at \$31.00 bbl. The catch is reported small thus far, and refiners do not see any reason for low prices at the moment.

Cream Tartar—Imported firm at 21c@21½c lb. spot, and domestic at 21½c@21¾c lb.

Formaldehyde—Although price is unchanged at 9c lb. works in c.l. reports are heard that these prices have been shaded, but the majority of makers are inside at these figures. Carboys, 10½c lb.

Fusel Oil—Generally quoted at \$2.75@\$4.00 gal. spot as to seller.

Glycerin—C. P. firm at 19c lb. spot in drums, although some outside hands are naming less in small way. Dynamite quoted at 18½c@18¾c lb.

Guaiacol Carbonate—Second hands easy at \$2.85@\$2.95 lb. spot with the possibility of shading these figures. First hands name \$3.00@\$3.50 lb.

Menthol—Market remains firm at \$12.00@\$12.50 lb. spot as to quantity with Feb.-Mar. shipment named at \$9.95 lb. c. i. f. New York. The short sales reported for May-July delivery have not been covered as yet, since the lowest price that has come out of Japan for some time has been \$9.25 lb. c. i. f., and this was a distressed lot of about 10 cases, according to reports. The market has been quoted from \$10.30 lb. c. i. f., and up, and to make a profit at \$10.25 lb. duty paid, \$9.00 c. i. f. ought to be inside.

Mercury—Has declined again and now quoted at \$77.00@\$78.00 flask spot owing to dull demand and easier shipment prices from London. Supplies are not plentiful in any market, but when the price commences to ease off, consumers are not inclined to buy. The price has to advance, and then it has to show an appreciable change before they will take on supplies.

Podophyllin—Resale quarters have reduced their price and now quote \$4.35@\$4.45 lb. spot as to quantity. Demand has been small, with tendency to accumulation. Makers name \$4.75@\$5.00 lb.

Saccharin—In fair demand at \$1.75@1.85 lb. spot as to quantity.

Sodium Benzoate—Demand on increase at 62c@64c lb. spot from makers, and 61c@62c lb. from resale quarters.

Potassium Permanganate—Imported generally quoted at 14½c@15c lb. spot as to seller. Sales have been put through last week at 14½cents lb. and this same seller intimated that better could now be done. Domestic named at 15c@16c lb. f. o. b. New York.

The International Opium Conference which closed last week at Geneva, drew up an anti-narcotic convention a protocol and a series of resolutions which were signed by Australia, Belgium, Great Britain, Greece, Japan, Luxembourg, Holland, Persia, Portugal and Siam. They provide for the appointment of a Central Board to control the narcotic traffic, to be appointed by the League of Nations Council, the United States and Germany being invited to participate in the appointment.

Limit of sales of medicines containing heroin to doctor's prescription, local option among the nations with regards to the control of the sale of laudanum, and the withdrawal of the Chinese delegation were last week's developments in the International Opium Conference at Geneva.

Chicago Drug and Chemical Association will hold its regular monthly meeting and luncheon, on Feb. 26 when the club will be addressed by Ralph E. Heilman, Dean of the School of Commerce, Northwestern University on the subject "Government and Business."

Parke, Davis & Co., are building a seven-story structure at the corner of St. Alexander and Carmichael sts., Montreal, Canada. The three-story building which occupied the site was demolished in two and a half days.

E. I. du Pont de Nemours is experimenting at a temporary plant at Ocean City, Md., with a view to determining the practicability of obtaining bromine commercially from sea water.

Otto P. Meyers, formerly western sales manager of E. R. Squibb & Sons, has been appointed field supervisor of the detail staff.

PEPPERMINT OIL JUMPS AGAIN IN LONDON

Japanese Mint Oil, Hydrastis and Turpentine Also Advance—Quotations Firmer on Benzoic Acid, Piments and Benzol—Prices Lower for Mercury, Linseed Oil and Cocaine.

(*Special Cable to DRUG & CHEMICAL MARKETS*)

London, Feb. 25—Higher prices are announced for American peppermint oil, Japanese mint oil, hydrastis and turpentine. The market is firmer on benzoic acid, pimento and benzol.

Quotations are easier on carbolic acid, ammonium bromide, potassium bromide and oil camphor.

Lower prices have been named on mercury, linseed oil, chloral hydrate, cocaine and shellac.

London, Feb. 14 (By Mail)—Business in American peppermint oil has been done on spot up to 48s6d per lb., but sellers are now holding out for 50s to 52s at which the market closed firm.

Japanese Mint Oil—is scarcely steady at 17s 6d to 18s per lb. on spot; present shipment to March 13s 6d per lb. c.i.f. Several disputes have arisen concerning one brand on account of objectionable odour and lower optical rotation, and awards have gone in buyers' favor. All purchases for shipment should be accompanied by analysis.

Castor Oil, both British and foreign has suddenly advanced by 2s per cwt., Belgian being 73s per cwt. and English 74s for finest pharmaceutical in barrels.

Codliver Oil—Latest cable advices report further stormy weather on the Northern Coast which is seriously interfering with the opening catch. About 124s is now asked c.i.f. London. For new (1925) oil some orders have been placed at 130s, c.i.f., per bbl. for March, April, but buyers here are looking on at the moment. On the other hand spot supplies are getting low and as much as 132s 6d per barrel has been paid.

Tragacanth has advanced about £4 per cwt. this week and lowest prices at the close are for Firsts £30; Seconds £26. to £27. 10s per cwt.

When Eastman Kodak Co. holds its annual meeting in Jersey City, April 7, amendments to the by-laws of the company will be brought up which will enable them to elect George Eastman chairman of the board of directors, William G. Stuber president, and Frank L. Lovejoy general manager. The purpose of this change is to divide the duties and to recognize the active parts played in the development of the organization by Stuber and Lovejoy.

The Chandler medal for distinguished achievement in science was awarded Dr. E. C. Kendall, head of the Chemical Section of the Mayo Foundation for Medical Education and Research, University of Minnesota at Columbia University, last week. Dr. Kendall delivered an address on "The Influence of the Thyroid Gland on Oxidation of Animal Organisms."

Drug and Chemical Club, New York, at its annual meeting, Feb. 19, elected the following Board of Governors for the term ending February, 1928; Arthur S. Somers, George V. Sheffield, Bernard M. Culver, James W. McCulloch, Charles R. Perkins and Louis F. Burke.

In the announcement of the appointment of Dickinson & Co. as representatives for E. Atkins & Co., the territory covered was indicated as extending in New Jersey south of Trenton. This should have read "south to Trenton."

Garfield & Co., manufacturers of Seidlitz Powders, have moved to larger quarters at 3608 to 3620 Par kave., New York.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 612-617

LYCOPODIUM EASIER OWING TO PRESSURE

Demand Slow and Replacements Lower—Ergot Easier
—Golden Seal Root Higher on Scarcity—Mullein
Flowers Active—Althea Cuts Higher—Spanish Saffron
in Keen Competition—Seneca Root Easier—Carda-
moms Scarce.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Althea Root, Cuts, 3c lb. Fumigating Pastilles, Red, 1c lb.
Balsams, Copaiaba, Para, 5c lb. Golden Seal R'ot, Whole, 10c lb.
South American, 7c lb. Mullein Flowers, 10c lb.
Buckthorn Bark, 1c lb. Saw Palmetto Berries, ½c lb.

Declined

Celery Seed, 1c lb. Japan Wax, ½c lb.
Cloves, Zanzibar, ½c lb. Lycopodium, 5c lb.
Ergot, 2c lb. Saffron Flowers, Span., \$1.00 lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Aconite Root, USP.....	\$23	\$23	\$23	\$50	\$90	\$42
Buchu Leaves, Short .....	.80	.80	.76	.78	4.06	.85
Cantharides, Russian .....	.85	.85	.85	1.10	9.00	2.10
Cocculus Indicus .....	.10	.09	.08½	.03½	.85	.03
Ergot, Spanish .....	.58	.55	.50	.35	4.50	.54
Insect Powder, pure .....	.38	.38	.40	.66	1.00	.28
Ipecac, Cartagena, Powd..	2.50	2.50	2.40	2.10	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	1.44	.07
Opium gum	12.00	12.00	12.00	9.00	30.00	5.00
Rhubarb Root, H. D. ....	.33	.33	.33	.31	1.75	.15
Tragacanth, No. 1, ribbon.	1.20	1.15	1.15	1.30	6.00	1.50
Wild Cherry Bk., thin nat.	.09	.08½	.08½	.13	.31	.07
Average	1.58	1.58	1.56	1.36	5.28	1.60

An easing off in shipment prices of foreign botanicals was the outstanding feature of the crude drug market. At the high prices importers showed little interest, and buyers did not place large orders. Quotations on crude drugs will stand slight reductions, but importers will probably not allow the market to drop too sharply if they can prevent. The high prices, which have ruled for some time, have resulted in importers keeping their stocks to a minimum. Under these conditions scarcities have been developing daily, and a few of these scarce items will not be replenished for about two weeks more. While spot prices of Coast products are holding fairly firm, the primary market is becoming over-stocked and offerings are now more attractive to buyers. Buckthorn bark has been in active demand and prices now are inside at 7c per pound. Japan wax has eased off under pressure to sell. Ergot is still weak in spite of its strong statistical position.

Aconite Root—Demand routine only at 33c@35c lb. spot, and leaves at 10c@12c lb.

Agar Agar—Spot supplies scarce owing to slow arrival of goods from the Far East. No. 1 quoted at \$1.75@ \$1.85 lb. spot, and No. 3 at \$1.55 lb. with shipments unchanged over last week.

Aletris Root—While goods are still obtainable at 40c lb. spot, some dealers are inside at 42c lb.

Aloes—Curacao held at 10c@11c lb. spot as to quantity. Last week 270 cases were imported at New York. Imports during the last two months have been heavy, but the present market does not appear to be weakened due to these arrivals. Cape, 8½c@9clb. Exports from

Union South Africa during October 1924 were 47,241 pounds, valued at £431, compared with 139,085 pounds, valued at £1,061, for a like period in 1923.

Althea Root—Cuts higher at 45c@50clb. spot owing to scarcity, and whole at 22c@24clb.

Anise Seed—Spanish remains steady at 14¾c@15c lb. spot as to quantity, and Star at 12½c@13clb.

Arabic Gum—Amber sorts steady at 13¼c@13½clb. spot as to quantity. Textile mills are reported buying in larger volume.

Areca Nuts—Spot slow at 17½c@18½clb. as to seller. London is quoting 70s per cwt. (112 lbs.)

Argols—Red active at 5½c@6½clb. spot as to quantity.

Balsams—Copaiba, Para, higher at 55c@75clb. spot as to quantity owing to scarcity, and South American also firmer at 60c@62clb. Canadian Fir easy at \$10.75@ \$11.00 gal. spot, and Oregon Fir also in good supply at 95c@\$1.00 gal.

Belladonna Leaves—Generally quoted at 25c@26c lb. spot although some outside lots are still available at 24c lb. Root firm at 17c@18c lb.

Blackhawk Bark—Root steady at 33c@34c lb. spot, and tree at 15c@16c lb.

Borage Flowers—In small demand at the moment at 17c@20c lb. spot as to seller and quality.

Buchu Leaves—Generally named at 80c@82c lb. spot for bales, and 86c@88c lb. for less. Exports from Union of South Africa during October 1924 were 6,587 pounds, valued at £796, compared with 6,884 pounds, valued at £867, for a like period in 1923, and exports for the ten months ended Oct. 31, 1924 were 141,038 pounds, valued at £16,676, compared with 164,089 pounds, valued at £20,407, for a like period in 1923.

Buckthorn Root—Higher and active at 7c@8c lb. spot. Spot supplies materially reduced.

Burgundy Pitch—Imported higher at 10c@11c lb. spot.

Candelilla Wax—Firm and active at 30c@32c lb.

Caraway Seed—Dutch steady at 9½c@10c lb. spot, and African at 9c@10c lb.

Cardamom Seed—Bleached nominal at \$2.50@\$2.70 lb. with arrivals in about two weeks at \$2.50 lb. Decorticated also firm at \$2.25@\$2.40 lb. and green grinding at \$1.60@\$1.70 lb.

Cascara Sagrada—Spot steady at 14c@15c lb. as to quantity, while shipment is offered more freely at 10½c lb. f.o.b. Coast, and up.

Celery Seed—Slightly lower at 33c@35c lb. spot due to slow demand. Statistical position remains strong, however.

Chamomile Flowers—Sellers name 18c@20c lb. spot for Roman, and firm thereat. Hungarian, 7½c@8c lb.

Cinchona Bark—Quills firm and active at 60c@62c lb. spot, and broken at 28c@29c lb.

Cloves—Zanzibar lower at 25½c@26c lb. spot as to quantity. Reports are heard that present stocks in Zanzibar amount to 55,000 bales.

Dandelion Root—Easy at 21c@22c lb. spot as to qual-

ity with shipment fairly steady at 17c lb. c.i.f. New York.

Ergot—Lower at 53c@55c lb. spot as to quality due to small demand and an easier primary market.

Fish Berries—Higher owing to scarcity, and now quoted at 10c@12c lb. spot as to quantity. Recent arrivals have been fairly depleted.

Golden Seal Root—Higher at \$4.10@\$4.15 lb. spot for whole, \$4.20@\$4.30 for powdered material owing to scarcity in the Northwest, and active demand for export.

Rumigating Pastilles—Red higher at 18c@19c lb. spot.

Hydrangea Root—In fair demand at 9c@10c lb. spot as to quantity.

Insect Powder—Importers name 38c@42c lb. spot with tendency for higher prices for shipment. The recent large import business has probably caused exporters in Japan to advance their price.

Ipecac Root—Cartagena, whole, firm and scarce at \$2.25@\$2.35 lb. spot, and powdered at \$2.50@\$2.60 lb. Sales have been made at the inside figure. Rio, \$2.20@\$2.30 lb. spot for the whole, and \$2.50@\$2.60 lb. for the powdered.

Japan Wax—Lower at 15c@16c lb. spot. Market dull.

Larkspur Seed—Scarce at \$3.25@\$3.50 lb. spot as to seller.

Lycopodium—Easier at 75c@80c lb. spot owing to slow demand, and lower import costs.

Mullein Flowers—Higher at \$1.00@\$1.10 lb. spot as to quantity. Demand active, and competition lessened.

Sabadilla Seed—Firm and active at 13½c@15c lb. spot, and powdered material at 19c@20c lb.

Saffron Flowers—Spanish easier at \$39.00@\$40.00 lb. spot as to quantity owing to keener competition among holders.

Saw Palmetto Berries—Higher and active at 9c@9½c lb. spot.

Senega Root—Easy at 57c@59c lb. spot. London quotes 2s. 7d. per pound.

Exports of kauri gum from New Zealand during November were 269 tons, valued at £27,081, of which the United States received 172 tons, and Great Britain 63 tons, and production up to Dec. 18 was 188 tons, according to George H. Lincks, New York, broker in varnish gums.

Charles S. Littell, president of C. S. Littell & Co., New York, druggists, and associated with the drug trade for over fifty years, has resigned as president and will retire from all active participation in the business after the annual meeting in March.

A revision of the registration procedure under the Narcotic Act has been sent to collectors by Commissioner of Internal Revenue Blair. The changes relate to "references" required from applicants for permits to handle narcotics, and the forms to be used.

A treaty with Canada to extradite all persons connected with the illegal sale of narcotics, was favorably reported last week by the U. S. Senate Foreign Relations Committee.

Opium valued at \$1,250,000 and evidence implicating several high Chinese officials and foreign firms in a plot for opium smuggling, were seized in a police raid in Shanghai.

CARTAGENA IPECAC INSIDE AT \$2.25 LB.

Cartagena ipecac has advanced to \$2.25 per pound spot owing to scarcity and higher shipment prices, which are quoted at \$2.15 per pound, an advance of 15c per pound over last quotation. The lowest for the year was \$1.75 per pound c.i.f. New York, although one small lot was picked up at \$1.65 per pound due to an error in exchange rates. The recent revolution in Brazil hindered the gathering of the root. The effect of the revolution on prices was not felt until about two months after peace was declared, at which time shipment prices advanced sharply owing to scarcity. Small lots only have been coming up from South America, and at no time has the spot market been heavily stocked.

Few first hands on ipecac among crude drug dealers exist; the bulk of goods are imported by produce merchants as a side line. Under these conditions, drug houses carry small stocks with the result that prices are more liable to fluctuate, because they depend upon orders, and not so much on stock. A sale of 500 pounds of Rio was made recently at \$2.20 per pound, which was reported as cleaning out spot stocks. Consumers, however, have attempted to bear the market by saying they bought 3,500 pounds at \$2 per pound. If these stocks existed in New York three weeks ago, dealers and brokers say, it must have been under cover. One dealer has been obtaining a better price for his product owing to its higher emetine content, which tested as high as 2.13 per cent, compared with United States Department of Agriculture requirement of 1.75 per cent.

Cost of production of opium per hectare in Macedonia is 5,000 dinars (£16 17s), according to the "Times Commercial Supplement," which says: "Efforts are being made to sell outside of Macedonia in order to avoid the almost monopolistic control by the opium traders of Salonika. Before the war production amounted to about 360,000 pounds, but since that time the cultivation has declined about 75 per cent. A French company has purchased about 500 acres for exploitation. Macedonian opium is not used for smoking, and producers feel that the cultivation should be allowed, but if necessary, controlled, both as to production and sale."

Exports of crude drugs, herbs, leaves and roots in 1924, which advanced 14 per cent over 1923 to a total of \$4,040,109, were only one-half the imports, which showed a drop of 7 per cent. One of the important import items in this class, pyrethrum flowers, improved from 2,973,863 pounds, valued at \$1,397,910, in 1923, to 3,945,101 pounds, valued at \$1,603,764, in 1924. Although slightly more licorice root, 339,378 pounds, was received in 1923 than in 1924, the value dropped \$470,129 to \$1,889,955.

Druggists are not to be held responsible for investigation of applications for liquor when accompanied by a physician's prescription, according to a decision rendered by Judge Robert A. Inch, of the Federal Court in Brooklyn. Assistant Federal Attorney Howard Osterhout characterizes the decision as a carte-blanche to dishonest druggists and physicians to violate the Volstead Act with impunity.

"India is not the source, direct or indirect, of opium drugs consumed in America," said Lord Olivier, secretary for India in the recent government, in refuting statements freely made to that effect. He further stated that the Indian opium was not of sufficient strength to be used in the production of these drugs which are manufactured from Persian, Turkish and Chinese opium.

The Essential-Oil Market

Current Spot Quotations of Essential Oils, pages 617-618; Aromatic Chemicals, 618

ITALIAN OIL ORANGE HIGHER AT \$2.80 LB.

Cheaper Goods Now Afloat—Oil Lemon Firm and Scarce—Oil Limes Expressed Again Higher—Oil Geranium, Bourbon, Lower—Ceylon Oil Citronella Easy, Java Firm—Oil Spearmint Higher.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)						
	Advanced					
Oil Limes, Expressed, 25c lb.	Oil Peppermint, Natural, 50c lb.					
Oil Orange, Italian, 5c lb.	Redistilled, 50c lb.					
American, Distilled, 20c lb.	Oil Spearmint, 35c lb.					
	Declined					
Oil Caraway, 5c lb.	Oil Geranium, Bourbon, 50c lb.					
Oil Cloves, 5c lb.	Algerian, 50c lb.					

Trend of the Market

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Oil Bergamot	\$3.65	\$3.65	\$3.45	\$3.00	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.73	.74	.74	.75	1.02	.60
Oil Cloves	1.85	1.90	2.00	2.30	3.70	1.40
Oil Lemon, Italian .....	.96	.98	.97½	.80	1.70	2.00
Oil Peppermint, Nat.	15.00	14.50	11.00	3.60	9.00	2.25
Oil Sandalwood, E. I.	7.25	7.25	7.25	6.75	14.00	5.25
Oil Sassafras, Artif. ....	.35	.35	.35	.37	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	2.25	3.25	3.83	31.00	3.10
Methyl Salicylate, Cans....	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49½	.49½	.49½	.54½	.95	.20
Average	3.11	3.08	2.86	2.18	6.83	2.05

Higher prices in the primary markets have resulted in curtailed buying, by importers, and the trade believes that arrivals of essential oils will be somewhat smaller during the next two months. However, some cheap and fair quantities of Messina essences have been bought at 60c per pound for lemon and \$2.00 per pound for orange, and these no doubt will have a depressing effect on the spot market when they arrive. Nevertheless, the spot market is firm and stocks are none too plentiful, excepting in oil caraway. Consuming demand is active one day and dull the next. The slowness in buying has not been of sufficient length to cause any worry among sellers. They feel that their products are fully worth all that they are asking in view of high cost of the material. Oil peppermint is higher on spot due to firmer position in the country. One seller on spot has made sales at \$16.00 per pound for the natural oil. The trade believes that the question is: Have you the goods? If so, one is able to name his price. Oil spearmint has advanced in sympathy with higher prices for oil peppermint.

Essential Oils

Oil Almond—Fair movement in sweet has been reported at 80c@\$85c lb., spot as to quantity. Bitter ffPA named at \$3.25@\$3.50 lb. spot, and U. S. P. at \$3.15@\$3.25 lb.

Oil Amber—Crude in small demand at 70c@75c lb. spot, and rectified 85c@90c lb.

Oil Anise—Spot market is unchanged at 60c@62c lb. for U. S. P. and 55c lb. for technical material. Import demand has been fairly active. Imports at New York last week were 39 drums. Some dealers look for an easier market, but stocks are said to be small, excluding this last arrival.

Oil Bay—In active demand at \$2.20@\$2.30 lb. spot as to quantity. Some fair import business reported.

Oil Bergamot—Coppers quoted at \$3.65@\$4.00 lb. spot

with shipment named at \$3.65 lb. c.i.f. New York, and up as to brand. Some active business transacted between dealers last week. London quotes 15s. 6d. per pound. Imports at New York last week were 144 cases.

Oil Bois de Rose—Holders are firm at \$4.75@\$5.00 lb. spot as to quantity with replacements about equal to these figures.

Oil Calamus—Quiet at \$3.75@\$4.00 lb. spot as to quality.

Oil Cananga—Holders on spot name \$2.20@\$2.30 lb., for native, and \$2.65@\$3.00 lb. for rectified material.

Oil Caraway—Has declined again and now quoted at \$2.40@\$2.50 lb. spot as to quantity with replacement below these figures. Even at the cheaper import costs, importers are not interested in buying at the moment.

Oil Cardamom—Firm and active at \$41.00@\$42.00 lb. spot as to quantity.

Oil Cassia—Redistilled has declined and now quoted at \$2.40@\$2.50 lb. spot as to quantity, and natural at \$1.95@\$2.05 lb. with shipment named at \$1.85 lb. c.i.f., and up. Imports last week at New York were 35 drums and 25 cases. Holders of spot supplies are not anxious to push sales due to the firm market in Hongkong.

Oil Cedar Leaf—In steady demand at 85c@95c lb. spot as to quantity.

Oil Cedar Wood—Market is slightly easier at 70c@75c lb. spot as to quantity. Contract material is coming in the market, and is going into consumption very slowly.

Oil Cinnamon—Ceylon steady at \$10.50@\$11.00 lb. spot as to quantity.

Oil Citronella—Ceylon easy at 73c@80c lb. spot in drums as to seller, and 76c@83c lb. in tins. Replacements are above this market, but supplies on spot are ample for present needs. Java firm at \$1.30@\$1.40 lb. spot in spite of rumors that importers have been offering on spot at \$1.00 lb. Shipment ranges from \$1.20 lb. for nearby position up to 90c lb. for distant futures.

Oil Cloves—Have eased off further, and now quoted at \$1.85@\$1.95 lb. spot in cans, and \$1.95@\$2.05 lb. for bottles.

Oil Coriander—Easy at \$10.00@\$10.50 lb. spot as to quantity.

Oil Erigeron—Market firm, although little business reported. Quoted at \$3.75@\$4.00 lb. spot.

Oil Eucalyptus—Drums easy at 55c@57c lb. spot, and cases at 58c@60c lb.

Oil Geranium—Bourbon has declined to \$5.75@\$6.25 lb. spot as to quality owing to cheaper offerings from France. Algerian also easier at \$6.25@\$6.75 lb. New crop Algerian oil is offered at 25s. to 26s. per pound delivered for Mar.-May shipment.

Oil Lemon—Italian firm on spot at 98c@\$1.20 lb. with shipment inside at 73c lb. up to 78c lb. c.i.f. New York as to brand. At these high prices, little buying has been going on. Some cheap goods are now afloat, and when they arrive, the market ought to be better supplied, as they are reported unsold. American, 85c@90c lb.

Oil Limes—Distilled again higher at \$4.25@\$4.50 lb. spot owing to scarcity, and higher shipment prices. Distilled named at \$1.75@\$2.00 lb.

Oil Orange—Italian higher at \$2.80@\$3.00 lb. spot as to brand owing to firmer primary market and strength on spot. West Indian, \$2.65@\$2.70 lb., and American at \$2.75@\$2.80 lb.

Oil Peppermint—Natural has advanced again, and now quoted at \$15.00@\$15.50 lb. spot for natural, and \$15.50@\$16.00 lb. for redistilled with the country naming \$14.75 lb. Supplies are becoming more scarce, and dealers are trading in cans only.

Oil Sandalwood—Steady at \$7.25@\$7.40 lb. spot as to seller and quantity.

Oil Spearmint—Higher at \$4.85@\$5.00 lb. spot owing to firmer replacement costs.

Oil Wormseed—Firm at \$3.25@\$3.35 lb. spot with the possibility of higher prices owing to strength in the country.

Balsams

Peru—Steady at \$1.90@\$2.00 lb. spot as to quantity.

Tolu—Slightly firmer at \$1.60@\$1.70 lb. spot as to quantity. London reported buying in a small way in this market.

Vanilla Beans

Bourbon—Market firm at \$11.00@\$13.00 lb. spot, and quality.

Mexican—Whole firm at \$11.00@\$13.00 lb. spot, and cuts at \$9.50@\$10.00 lb. Reports are heard that 500 pounds of vanilla beans were offered in the trade at a very low 1/4 figure, and have caused a suspicion that these are from the lot that was stolen some time ago from one of the warehouses of one of the leading vanilla bean sellers.

Aromatic Chemicals

Benzaldehyde—Steady at \$1.40@\$1.50 lb., spot for U. S. P. material, and \$1.50@\$1.65 lb., for FFC goods.

Coumarin—In active demand at \$3.25@\$3.45 lb., spot from makers.

Musk Ambrette—While spot prices are named at \$10.50@\$11.00 lb., one of the leading importers is contemplating lowering his prices.

Musk Ketone—Steady at \$11.50@\$12.00 lb., spot.

Vanillin—Makers are firm at 49½c@51c oz., spot, and resale quarters at 47c oz.

Production of Java oil citronella during 1924 is estimated at 530 tons, compared with 477 tons in 1923, 434 tons in 1922, 283 tons in 1921, and 434 tons in 1920, according to R. C. Treat & Co., London. Ceylon production during 1924 is estimated at 625 tons, compared with 499 tons in 1923, 591 tons in 1922, 547 tons in 1921, and 453 tons in 1920.

The United States sent \$48,232 worth of perfumes and toilet preparations to Honduras in 1923, an increase of \$3,151 over 1922. Talcum made the largest expansion, recording an increase of almost 100 per cent.

P. R. Dreyer, New York, essential oil importer, returned last week from a five weeks' trip through the Middle West. He says that soap makers are doing only a fair business.

William H. Brown & Bro. Co., Baltimore, manufacturers of perfumes at 830 North Howard st., has increased its capital stock from \$15,000 to \$100,000.

American Perfumers' Laboratories, Inc., New York, has opened an office at 112 West Ohio st., Chicago. The company will be represented by W. M. Francke.

U. S. PERFUMES POPULAR IN CUBA

The use of powders, rouges, cosmetics, creams and perfumes is almost universal among Cuban women and the men are also much addicted to the use of toilet preparations. In the case of cosmetics and perfumery, United States supplies about one half the Cuban demand, but French preparations exceed the American in aggregate value, owing to the relatively greater expense of French perfumes. Lloyd A. Nolan, Chemical Division, U. S. Bureau of Commerce, ranges the items of this group in the following order of importance in the Cuban trade: Dentifrices, talcum, and toilet powders, creams, rouges and cosmetics, toilet preparations, perfumery, and toilet waters. Imports from the United States amounted to \$793,076 in 1923, an increase of more than 35 per cent over the figures for 1922.

OIL BERGAMOT MANUFACTURE EXPLAINED

Bergamot fruit is brought to pressing plants and sorted by sizes and qualities about the last of December, when the fruit is ripe, according to Bergamot Pure Essence Export Co., New York, who have received the following letter from their principals in Italy: "The fruit is thoroughly cleaned before being placed in a rotary press, which is operated under very low pressure in order that only essence from the skin, and not the pulp or juice, may be secured. This is later filtered and inspected by the company's own chemist and by Government chemists. The fruit, together with the culms and decayed fruit, is then repressed, the oil obtained from this second pressing being termed bergamotella. This is sold locally and is used by some firms as an adulterant of their oil. The adulterated oil frequently comes into the American market, and is the reason largely for the fact that oil is often sold in New York below the cost of producing pure oil in Italy."

Panama imported \$97,728 worth of perfumery and perfumed lotions in 1922, of which France supplied 71 per cent and the United States 14. Lloyd A. Nolan, of the Department of Commerce, reports that in 1923 the United States sent perfumery and toilet preparations to Panama amounting to \$108,180, a slight increase over the figures for 1922.

United States Board of General Appraisers has upheld the protest of American Shipping Co. that "Pinelyptus" is assessable at 20 per cent. ad valorem under paragraph 1459 of the tariff act of 1922 as a non-enumerated manufactured article instead of at 40 cents a pound and 50 per cent. ad valorem as a combination of essential oils under paragraph 61.

Essential oil imports in Hongkong in 1923 reached a value of £67,988 in 1923, an increase of approximately 20 per cent over the figures for 1922, according to Lloyd A. Nolan, Chemical Division, Department of Commerce. The United States' share was valued at £1,235.

Receipts of perfumery and cosmetics into Hongkong in 1923 were valued at £88,859, an increase of 33 per cent over the previous year. America holds an important place in this field, supplying about 50 per cent of the material.

W. J. Bush & Co., Ltd., manufacturing chemists, Montreal, have purchased a seven-story building at 10 St. Helen st., and will move to the location in March.

American Manufacturers of Toilet Articles will hold their annual meeting at the Hotel Biltmore, New York, on April 21 to 23, inclusive.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; Crude Drugs, Essential Oils, including cleoresins; Fatty Oils, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; Tanning and Dye Extracts, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District,

f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	— 3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	— 8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	— 2.20	Pounds

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Chemicals

ACETANILID, tech. 150 lb bbls...lb	.26	: .28	ACID	ACID (Cont.)			
100 lb. bags.....lb	.27	: .30	Butyric, 60% pure 5 lb bot...lb	.55	: .60	Hydrobenzoic, 48% emul. 155 lb	
USP, 200 lb. bbls.....lb	.35	: .37	90% .....lb	.70	: .75	cbs. wks. ....lb	.45 : .48
Second Hands.....lb	.35	: .36	C.P. 10 lb. bot. ....lb	1.25	: 1.50	48% coml. 10 cgs. wks. ....lb	... : .45
Acetic Anhydride			Camphoric USP, VIII 1 lb bot. ....lb	5.50	: 5.70	40% USP 155 lb. cbs. wks. ....lb	... : .55
85-89%, 107 lb. cbs. ....lb	.38	: .45	Carbolic, LSP crys. see also Phenol			10% USP 100 lb. cbs. wks. ....lb	... : .18
90-95%, 100 lb. cbs. ....lb	.41	: .45	112 lb. tins .....lb	.26	: .27		
CP, 100 lb. cbs. ....lb	.75	: .80	25 lb. tins .....lb	.28	: .29		
Acetone, CP 700 lb. drs. c/l wks. ....lb	.11	: 10 1/4	5 lb. tins or bot. ....lb	.30	: .32		
350 lb. drs. c/l wks. ....lb			1 lb. bot. ....lb	.35	: .36		
Tank cars, wks. ....lb			Liquid ESP, 1 lb. bot. ....lb	.34	: .35		
Acetine, 50 lb. drums.....lb			Crude, 35% 50 gal. bbls. ....gal	.33	: .35		
Acetone Oils, Light, drs. wks....gal	1.40	: 1.45	10% 50 gal. bbls. ....gal	.27	: .30		
Heavy, drs. wks....gal	1.40	: 1.45	Carbonic, see Carbon Dioxide				
Acetophenetidin, 150 lb. bbls....lb	1.80	: 1.90	Chloroacetic,				
Acetyl Chloride, 100 lb. cbs. ....lb	.33	: .35	mono 100 lb. bbls. wks. ....lb				
ACID, 1, 2, 4, 250 lb. bbls....lb	... : 1.30		DI, 150 lb. cbs. wks. ....lb				
Acetic, 28%, 400 lb. bbls. c/l wks.			TrI, 425 lb. bbls. wks. ....lb				
.....100 lb. ....lb			Chloroformic, 1500 lb. dre				
28%, c/l wks. ....100 lb			wks. ....lb	.15	: .16		
56% c/l wks. ....100 lb			Chrome, USP, 200 lb. drums....lb				
56% c/l wks. ....100 lb			85% Pure, 200 lb. drums....lb				
70% bbls. c/l wks. ....100 lb			Chromotropic, 300 lb. bbls....lb				
70% c/l wks. ....100 lb			Chrysophanic, see Chrysarobin				
80% coml. bbls. c/l wks. ....100 lb			Cinnamic, 5 lb. cans .....lb	3.25	: 3.50		
80% coml. c/l wks. ....100 lb			CITRIC, USP cryst. 230 lb. bbls. ....lb				
80% coml. c/l wks. ....100 lb			Powd. URP, 200 lb. bbls. ....lb				
80% pure bbls. c/l wks. ....100 lb			Imported, crys. 112 lb. kegs....lb	.46	: 46 1/2		
80% pure bbls. c/l wks. ....100 lb			Single kegs .....lb				
Glacial, bbls. c/l wks. ....100 lb			Cleves, 250 lb. bbls. ....lb	.95	: .97		
Glacial, c/l wks. ....100 lb			Cresylic, 95% dark dr. NY. gal.	.55	: .60		
Glacial, USP chs. ....100 lb			97-99% pale, drs. NY. ....gal	.60	: .65		
Acetylsalicylic, 220 lb. bbls....lb	.75	: .80	Crude, spce. drums.....gal				
Second Hands.....lb	.70	: .72	Dithiobutyric, Dom. 25 lb. lots.				
Anthracene, tech. drs. ....lb			1 lb. bot. ....lb	8.00	: 9.00 *		
99-100%, 100 lb. drs. ....lb			Innp. 10 lb. lots .....lb	4.10	: 4.25	Drums, wks. ....N Unit	.07 1/2 : .08
Benzene, tech. 100 lb. bbls....lb			Formic, 85% tech. 140 lb. chys. ....lb	.10	: 10 1/2	Drums, wks. ....S Unit	.01 : .014
Tech. ton lots bbls....lb			90%, 80 lb. chys. incl. ....lb	10 1/4	: .11	Tank cars, wks. ....N Unit	.06 : .06 1/2
URP, 100 lb. bbls....lb			Gelie, URP, 150 lb. this. ....lb			Tank cars, wks. ....S Unit	.008 : .01
Second Hands.....lb			Gamma, 225 lb. bbls. wks. ....lb	1.40	: 1.50	Molybde, 85% pure 100 lb. kegs	1.35 : 1.60
Boric, crys. powd. 250 lb. bbls. ....lb			H 225 lb. bbls. wks. ....lb	1.85	: 1.95	2.00 : 2.10	
Kegs, 100 lb.lb	.10	: 10 1/2	H 225 lb. bbls.lb	.68	: .74		
Bromate's 250 lb. bbls.lb			Hydriotic, 10% USP 5 lb. bot.lb	.65	: .70		

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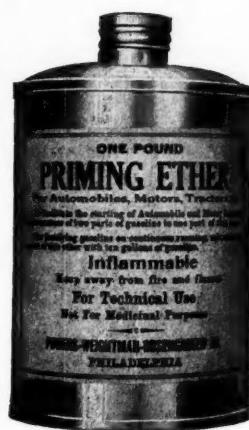
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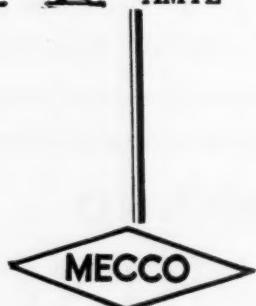
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Chemicals

ALCOHOL, DENAT. (Cont.)

50 gal drums, extra.....gal	.55	: .57
Car lots.....gal	...	: .53
No. 5, Complete Denat. 188 Proof		
50 gal. bbl. incl. ....gal	.61	: .63
Car lots.....gal	...	: .59
50 gal. drums, extra....gal	.54	: .56
Car lots.....gal	...	: .52
No. 6, Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.60	: .62
Car lots.....gal	...	: .58
50 gal. drums, extra....gal	.53	: .55
Car lots.....gal	...	: .51
In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.		
Aloin, USP, 100 lb cases.....lb	.85	: .88
Alpha-Naphthol crude 300 lb bbls. lb	...	: .65
Refined.....lb	.85	: .90
Alpha-Naphthamine, 350 lb bbls. lb	.35	: .37
Ton lots, bbls. wks.....lb	...	: .35
ALUM, Ammonia, lump 400 lb bbls. wks, c/l wks	3.15	: 3.50
Imp., 500 lb casks 100 lb	...	
Ground, 400 lb bbls. wks. 100 lb	3.30	: 3.75
Powd. 380 lb bbls. wks. 100 lb	3.55	: 3.90
Chrome, 500 lb cks. wks. 100 lb	5.50	: 6.09
Potash, lump 400 lb bbls. wks.	...	
100 lb	3.25	: 3.50
Bbls. c/l wks. ....100 lb	3.25	: 3.30
Ground. 400 lb bbls. wks. 100 lb	3.40	: 3.75

ALUMS, Potash (Cont.)

Imp. 350 lb casks.....100 lb	2.75	: 3.00
Powd. 380 lb bbls. wks. 100 lb	3.65	: 4.00
Chrome, 500 lb cks. wks. 100 lb	5.50	: 6.00
Soda grd. 400 lb bbls. wks. 100 lb	...	: 3.75
soda, c/l wks.....100 lb	...	: 3.50
Ammonium, metal, c/l NY. 100 lb	27.00	: 28.00
oxide, anhyd. 275 lb drs. lb	.20	: .22
Crystals, 375 lb bbls.....lb	...	: .06%
30% sol. 120 lb drs. lb	.03%	: .04
Hydrate 98% light 90 lb bbls. lb	.17	: .18
Heavy 62-64%, 220 lb bgs. lb	.06	: .06%
400 lb bbls. wks.....lb	...	: .07
Stearate, 100 lb bbls. wks.....lb	.21%	: .22
SULFATE, Iron-free bags c/l wks.....100 lb	2.00	: 2.10
Bbls. c/l wks.....100 lb	2.15	: 2.25
Imported, spot.....100 lb	1.75	: 2.00
Comm'l. 3/4% Iron bgs. c/l wks.....East 100 lb	...	: 1.40
Cont. bgs. c/l wks. E. 100 lb	1.35	: 1.40
Bags, c/l wks. W. 100 lb	...	: 1.40
Bbls. c/l wks. East 100 lb	...	: 1.55
Bulk, c/l cont. wks. E. 100 lb	...	: 1.50
Amidol (see Diaminocephonal)		
Amidopryrine, Imp. 10 lb boxes.....lb	4.75	: 4.85
Domestic, 10 lb boxes.....lb	4.60	: 4.75
Aminozobenzene, 110 lb kgs.....lb	...	: 1.15
Ammon. Sulf., bulk wks.....100 lb	2.60	: 2.65
Double, bgs. f.a.s. NY. ....100 lb	3.00	: nom.
Single, bgs. wks.....100 lb	...	: 2.90
AMMONIA, anhyd. 100 lb cyl.....lb	...	: .30
Water, 26° 800 lb drs. wks.....lb	...	: .06%
Drs. c/l wks.....lb	...	: .06%
C.P. bgs.....lb	...	: .12
Imp., 800 lb drs. incl. spot. lb	...	: .06%
26° 100 lb drs. c/l wks.....lb	.08%	: .08%
Chrys. c/l wks.....lb	...	: .08%
20° 800 lb drs. c/l wks.....lb	...	: .04%
Chrys. c/l wks.....lb	...	: .07%
18° 800 lb drs. c/l wks.....lb	...	: .04%
Chrys. c/l wks.....lb	...	: .04%

AMMONIA (Cont.)

18° 800 lb drs. c/l wks.....lb	...	: .03%
Chrys. 1c/l wks.....lb	...	: .04
Ammonium Acetate, 100 lb kegs. lb	...	: .43
Benzoate, USP, 1 lb bot. ....lb	...	: .27
Bifluoride, 300 lb bbls.....lb	.22	: .25
100 lb kegs.....lb	.23	: .24
Bromide, 50 lb boxes.....lb	.54	: .55
Imported, 112 lb boxes.....lb	.48	: .50
Carb., tech. 560 lb casks.....lb	...	: .08%
Powd., tech. 385 lb bbls. lb	...	: .07%
USP, Lump, 100 lb kegs.....lb	...	: .14
Powd., 100 lb kegs .....lb	...	: .15
Chloride, Domestic		
White, 250 lb bbls. c/l wks.....lb	...	: .07
250 lb bbls. 1c/l wks.....lb	...	: .07%
Imp. wh. 250 lb casks spot. lb	.05%	: .06
Gray, 250 lb bbls. wks.....lb	...	: .08%
Bbls. c/l wks.....lb	...	: .07%
Imp. gray 250 lb casks spot. lb	...	: .07
Lump, 500 lb casks spot. ....lb	.12	: .13%
Ichthyolate, as to brand.....lb	4.85	: 5.00
Ionone, USP, 25 lb jars.....lb	...	: .20
Lactate, 500 lb bbls.....lb	.15	: .16
Nitrate, tech. crys. 225 lb bbls. lb	...	: ..
Refined Crystals, bbls. ....lb	.21	: .23
CP gran. 100 lb kegs.....lb	.35	: .37
Oxalate, pure, 100 lb kegs.....lb	.35	: .37
Persulfate, 112 lb cases.....lb	...	: .40
Phosphate, dibasic 200 lb bbls. lb	...	: .38
Tech. powd. 325 lb bbls. lb	...	: .18
Phosphate, mono, 325 lb bbls. lb	.12	: .12%
Salicylate, USP, 100 lb kegs. ....lb	.75	: .80
Sulfate, bulk, c/l wks.....100 lb	2.75	: 2.80
200 lb single bgs. c/l wks/100 lb	...	: 2.90
200 lb double bgs. f.a.s. 100 lb	...	: 3.07%
Sulfocyanide, tech. 100 lb kegs. ....lb	.50	: .60
CP, 25 lb jars .....lb	.60	: .70
Amyl Acetate, tech. 50 gal. drags.lb	3.25	: 3.50
Refined, 50 gal. drums.....gal	3.90	: 4.20
Alcohol, see Fusel Oil		

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[FEBRUARY 25, 1925]

Chemicals

ANILINE OIL, 900 lb drns....	B	.16	: .17	BARIUM BINOXIDE, see Barium dioxide
Aniline Salt, 200 lb bbls....	B	.20	: .22	Carbonate, precip., 300 lb bbls.
Anatto, fine	B	.23	: .30	wks. ton 56.00 : 58.00
Anthracene, 80-85%, 600 lb cases				Precip., 200 lb bgs., wks. ton 54.00 : 56.00
wks.	B	.65	: .70	Imports, bbls., NY ton 52.00 : 54.00
Anthraquinone, subl. 125 lb bols....	B	1.00	: 1.15	Chloride, 800 lb bbls., wks. ton 70.00 : 72.50
Antimony metal, slabs, two lots. 100 lb				200lb bgs., wks. ton 70.00 : 72.50
Needle Poud., 100 lb cases... B		.12	: .14	Imports, bbls., spot B ton 66.00 : 68.00
ANTIMONY CHLORIDE, anhyd 1000 lb				Dioxide, 88% 690 lb drns. B : .16 : .17
drn.	B			Import, 86-88% 400 lb drs. B : .15
50 lb cruchs....	B	.45	: .48	Hydrate, 500 lb bbls. B : .05%
Sol'n, 180 lb cartons 35°....	B			Iodide, 5 lb box.... B : .15
Oxide, 500 lb bbls....	B	.17	: .18	Nitrate, 700 lb cases.... B : .10
Salt, dom. 500 lb bbls....	B			Import cases.... B : .07% : .08
Imp. NY	B			Sulfocyanide, 600 lb bbls.... B : .30 : .31
Sulfure, golden 500 lb bbls....	B	.20	: .22	Barwood, chips.... B : .04% : .05
350 lb kegs....	B	.23	: .24	Barytes, floated 350 lb bbls. whaton 26.00 : 28.00
Crimson, 500 lb bbls....	B	.49	: .46	Imported ton 20.00 : 33.00
336 lb kegs....	B	.48	: .50	Bay Rum, Porto Rico, genuine
Vermilion, 500 lb bbls....	B	.50	: .65	Medicated salicyl. acid or tartar emetic
336 lb kegs....	B	.53	: .68	45 gal. bbls. gal : .90 : 1.00
Tartrolactate, 500 lb bbls....	B			Medicated quinine sulf. 45 gal. bbls. gal : .90 : 1.00
Antipyrine, USP, 100 lb cases... B		1.80	: 1.90	Domestic synthetic, 50 gal. bbls. gal : .72 : .75
Apomorphine Hydrochloride, 1/4 oz. vials				St. Thomas
Archil, double 600 lb bbls....	B	.13	: .14	Medicated salicy. acid or tartar emetic, 50 gal. bbls.... gal : .90 : .95
Triple, 600 lb bbls....	B	.16	: .17	Benzaldehyde, tech. 945 lb drs. wks. B : .70 : .75
Cone, 600 lb bbls....	B	.18	: .20	USP, 40 lb drs. B : 1.40 : 1.50
Arenoline Hydrobromide, 1 oz. vial. os		6.25	: 7.82	PTC, 40 lb drs. B : 1.50 : 1.65
Argolis, red powd., 350 lb bbls.... B		.05%	: .06%	BENZENE, 90% 8000 gal. tanks
Arsenic, metal, 220 lb kegs.... B				wks. gal : .21
Red, 924 lb kegs cases.... B				110 gal. drs. wks. gal : .26
White, 220 lb cases to 550 lb				Pure Tanks, wks. gal : .23
bbls., NY	B	.05%	: .06	110 gal. drs. wks. gal : .28
Aspartine, a/l ton 18.00 : 18.00				Benzidine, Dry 250 lb bbls. B : .75 : .76
le/l ton 20.00 : 22.00				Benzidine Sulfate, paste 350 lb bbls. B : .70 : .72
Aspirin, see Acid acetylsalicylic				
Atropine, Alk. USP, 1 oz. vial....	os	5.00	: 5.57	
Sulfate, 5 oz. cans....	os		: 2.75	
Single ounce os	os		: 2.92	

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Chemicals

BISMUTH (Continued)

Tannate, 1 lb bot.	...: 1.95
above on basis 25 lb lot.	
Smaller lots at an advance.	
Blaus Fixe, dry 400 lb bbls. wks. ton	60.00 : 90.00
Imported, this.	70.00 : 72.00
Fasts, 650 lb bbls.	ton 50.00 : 55.00
BLEACHING POWDER, 700 lb drs.	
c/l wks.	100 lb ... : 2.00
Drums, 1c/l ex-warehouse.	100 lb 2.35 : 2.60
Contract, c/l wks.	100 lb 1.90 : 2.15
Drums, 1c/l wks.	100 lb 2.15 : 2.40
Imported, spot	100 lb ... : ...
Blood, dried, f.o.b. NY	unit 3.65 : 3.80
Chicago	unit 3.60 : 3.75
Blue Ointment, see Mercury	
Muss, see Mercury	
Blue Vitriol, see Copper Sulfate	
Bone, 3 & 50 gr. steam, Chgo. unit	22.00 : 23.00
Raw, NY	ton 32.50 : 34.00
Bone Ash, 100 lb kegs.	...: .06 : .07
Black, 200 lb bbls.	...: .06
Borax, USP, crys. 400 lb bbls.	...: .05% : .06%
Powdered, USP, 300 lb bbls.	...: .05% : .05%
Kegs, USP, 100-150 lb	...: .05% : .06
Bordeaux Mixture, 16% pd. bbls. lb	.11% : .18
Paste, bbls.	...: .08 : .10
Bornol, 1 lb bot.	...: 3.50
Brinstone, see Sulfur	
Butyl Acetate, tank cars. wks.	gal ... : 2.25
Drums, c/l wks.	gal ... : 2.27
(Freight allowed)	
British Gum, com. c/l	100 lb 5.02 : 5.12
lc/l	100 lb 5.22
Potato, lc/l	...: .09
Bromide, see potash, bromide, etc.	
Bromine, bot. in 50 lb cs. wks. lb	...: .47
Bromobenzene, 600 lb drums.	...: .40 : .42
Bromoform, USP 5 lb bot 50 lb cs. lb	...: 1.85
Bromo Sulfate, 100 oz.	...: .15 : .25
Rutter of Antimony, see Antimony Chloride	
CADMIUM, metal 100 lb bxs.	...: .70 : .75
Bromide, 50 lb cases jars.	...: 1.20

CAFFEINE ALK., USP 5 lb cans.

Bot.	...: 1.50
Second Hand	...: 3.50
Hydrochloride, 1 lb bot.	...: 6.05
Sulfate, 1 lb bot.	...: 5.40
Citrate, 25 lb cans.	...: 2.70
Hydrobromide, 1 lb bot.	...: 4.65

CALCIUM, Acetate, 150 lb bags, c/l

100 lb	...: 3.00
Arsenite, 100 lb bbls. c/l wks. lb	...: .06
Bromide, 100 lb cs.	...: .60
Carbide, 220 lb dr. c/l wks. lb	...: .04%
Carbonate, tech., 100 lb bags	
c/l	100 lb 1.00 : 1.10
USP, precip. 175 lb bbls. lb	...: .06%

CHLORIDE, solid, 650 lb drs. c/l

f.o.b. wks.	ton 21.00 : 23.00
Imp. shipment	ton 18.18 : 18.50

FLAKE, 375 lb drs. c/l drs. f.o.b.

wks.	ton ... : 27.00
Anhyd. 350 lb drs. f.o.b. NY. lb	.13 : .20
Glycerophosphate, 250 lb bbls. lb	... : 1.40

Hydrate, see Lime

Hypophosphite, USP, 25 lb cans	lb .60 : .65
Iodide, 5 lb bot.	...: 4.40
Lactate, tech., 500 lb bbls. lb	...: 13%
USE.	...: .50 : .60
Nitrate, 220 lb bbls. c/l NY. ton	...: 50.00
Phosphate, tech., 450 lb bbls. lb	.09 : .10
Phosphate, precip. tribasic, 200 lb	
bbls., wks.	lb .11 : .14
Phosphate, mono, 325 lb bbls. lb	.07 : .08
Sulfocarbonate, 100 lb kegs. lb	.55 : .57

CALOMEL, see Mercury**CAMPHOR, Amer. ref. 250 lb**

bbls.	...: .80
2½ lb slabs, 100 lb cs.	...: .81%
1 lb cakes, 100 lb cs.	...: .81%
1 oz. tabs, 1 lb tabs.	
100 lb cs.	...: .85%
% on tab, 1 lb tabs.	
100 lb cs.	...: .86

CAMPHOR (Cont.)

Jap. ref. 2½ lb slabs, 100 lb	...: .66 : .67
1 oz. tabs.	...: .80
¼ oz. tabs, 100 lb cs., 1 lb	...: .81
tins	
Chinese ref. 2½ lb slabs, 100 lb	
cr. ...: .54 : .56	
Crude, 100 lb cs.	
Camphor, Liniment, bbls.	gal 2.30 : 2.40
Camphor, Monotrop, 100 lb cs.	lb 1.85 : 1.90
Camwood, chips	...: .17
Caramel, 50 gal. bbls.	gal .85 : .90
Carbazol, 250 lb bbls.	...: .50
Carbon Bisulfide, 500 lb drs. 1c/l NY	lb .05% : .06%
c/l drums, NY	...: .05%
Carbon Black, c/l wks. bags	lb .06 : .06%
100-300 lb. cases 1c/l NY	lb .09 : .10
Carbon Dioxide, Liquid, 20-25 cy. lb	...: .06
Carbon Tetrachloride, 1400 lb drs.	
NY	...: .07 : .07%
Drums, c/l NY	...: .06% : .06%
700 lb drs. single NY	lb .07% : .08
Carmine, No. 40, 5 lb boxes	lb 4.50 : 4.75
Casselin, edth., 100 lb kegs	...: .45
Tech. Imp., 200 lb bbls.	lb 12½ : .13
Tech. Dom.	...: .13% : .16%
Castoreum, 1 lb boxes	lb 4.00 : 4.50
Castor Oil, USP, 50 gal. bbls.	lb ... : .17%
Cases, 80 lb 2 tins	lb ... : .18%
Tech. see Fixed Oils	
Caustic Potash, see potash, caustic	
Soda, see soda, caustic	
Cellulose Acetate, 100 lb cases	lb 1.75 : 2.00
Cerium Oxalate USP 100 lb kegs	lb .85 : .88
Chalk, drop 175 lb bbls.	lb ... : .08%
Precip. light 250 lb cases	lb .04% : .04%
Precip. heavy 560 lb cases	lb .08% : .04
Bulk	ton 5.00 : 8.00
Precip. English, 7 lb bags	lb ... : .07%
Charcoal, Bone, see bone black	

JHF & G

Glycerin

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Chemicals

Cutch, Rangoon, 100 lb bales...lb	.04%	.05						
Borneo, solid, 100 lb bales...lb	.09	.11						
Liquid, 450 lb bbls.....lb	.13	.14						
Tablets, 120 lb boxes.....lb								
Cyanamide, bulk c/l wks. Ann. unit	1.90	2.00						
March & April, deliv. ....unit		1.85						
Cyanamide, NY, basis.....unit	1.65	1.75						
Cymene, See Para-Cymene								
Dextrin, corn 140 lb bags c/l 100 lb		4.62						
Bags, le/l .....100 lb		4.72						
Yellow, bags, c/l .....100 lb		4.72						
Bags, le/l .....100 lb		4.82						
Potato, 220 lb bags, c/l .....lb		0.85%						
Yellow, 220 lb bags.....lb		.09						
Tapioca, 200 lb bags, le/l .....lb		0.85%						
DIAMINOPRENOL, 100 lb kegs...lb		3.80						
Diamisidine, 100 lb kegs...lb	3.50	3.60						
Dichlorobenzene, 1000 lb drs...lb	.06	.07						
Diethylbenzene, 400 lb drs...lb		2.50						
Diethylamine, 850 lb drs...lb	.62	.64						
Diethyl Phthalate, 25 lb cans...lb	.40	.45						
1000 drs...lb	.35	.40						
Diethyl Sulfate tech. 50 gal. drs...lb	.20	.25						
"P" trums	.40	.50						
Digitalin, Pure, 1 oz. vial....oz	0.75	10.25						
Dimethylandine, 840 lb drs. wks. lb	.33	.35						
Dimethylamine, 400 lb drs...lb		2.80						
Dimethylbenzene, 100 lb drs...lb		.50						
Dimetrobenzene, 400 lb bbls...lb	.15	.16						
Dimetrochlorobenzene, 400 lb bbls...lb	.15	.16						
Dimetrochlorine, 300 lb bbls...lb	.18	.19						
Dimetroxaphthalene, 350 lb bbls...lb	.32	.34						
Dimetrophenol, 350 lb bbls...lb	.32	.35						
Dimethylbenzene, 300 lb bbls...lb	.19	.20						
Dionin, see Morphine, Ethyl								
Diphénylamine, 250 lb bbls...lb	.48	.50						
Diphonylguanidine, 1000 lbs,								
1000 lbs. ....lb	1.05	1.10						
Divi Divi Extract.....ton		.04%						
Divi Divi, pods, bags.....ton		55.00						
Dover's Powder, USP 5 lb tins...lb	2.20	2.30						
Duboisine Sulfate, 1 oz. vial....oz		30.07						
EARTH, Diatomaceous, see Kieselguhr								
FERRIC CHLORIDE, tech. crys.								
475 lb bbls. ....lb								
Imported.....lb								
USP, crys. 100 lb kegs.....lb								
Imported.....lb								
Neut. Sol'n 42° 140 lb chys...lb								
46°, 140 chys. ....lb								
USP Sol'n 125 lb chys. ....lb								
Ferrous Chloride, crys. tech.								
475 lb bbls. ....lb								
Ferrous Sulfide, 1000 lb bbls. ....lb								
Fish Scrap, dried was. ....unit								
Acid, Bulk. 7 & 3 1/2, Delv.								
Norfolk & Balt. basis. unit								
Ferrous Chloride, crys. tech.								
475 lb bbls. ....lb								
Flake-White, see lead white								
Flavine.....lb								
Fluorspar, 95% 220 lb bags, ex.								
dock .....ton								
Anesthesia, 55 lb drums.....lb								
ether, 55 lb drums.....lb								
ether, 1880 55 lb drums.....lb								
Washed, 55 lb drums.....lb								
Motor, 1 lb cans.....lb								
Ether, Nitrous, 1 lb bot.....lb								
Ether, Nitrous, 1 lb bot.....lb	.92	.95						
Ethy: Acetate, 99% 50 gal. drs. gal	1.15	1.18						
85% Ester, 100 gal. drs. gal		.95						
Carrots, drum.....gal		.92						
Tanks Cars.....gal		.90						
Refined, drum.....gal	1.77	1.90						
Bromide, 115 lb drs. ....lb		.40						
Chloride, 200 lb drs., 15 lb cyl. lb	.26	.35						
Methyl Ketone, 50 gal. drs. ....lb	.25	.25%						
Morphine, see Morphine, Ethyl								
Ethyl Benzyl Aniline, 300 lb drs. lb	1.10	1.15						
Ethylene Bromide, 600 lb drs. ....lb		.70						
Glycol.....lb	.65	1.00						
Chlorhydrin, anhyd. 50 gal. drs. lb	.75	.85						
40% Solution, 50 gal. bbls. lb	.25	.30						
Dichloride, 50 gal. drs. ....lb	.30	.35						
Ethyldeneaniline.....lb	.45	.50						
Eucalyptol, 25 lb cans.....lb		.90						
Feldspar, bulk .....ton	20.00	25.00						
GALL EXTRACT.....lb								
FLUORITE, 475 lb bbls. ....lb								
FLUORSPAR, 95% 220 lb bags, ex.								
dock .....ton								
Second Hands .....lb								
Fossil Flour.....lb								
Formaldehyde, 400 lb bbls. ....lb								
Fuller's Earth, 200 lb bags, c/l								
mines .....ton								
Imported, 230 lb bags, NY .....ton								
Furfural, 300 lb bbls. ....lb								
Fusel Oil, 10% Impurities, dr. lb								
Fusible, solid 50 lb boxes.....lb								
Crystals, 100 lb boxes.....lb								
Liquid, 51°, 600 lb bbls....lb								
Fusible, sticks .....ton								
Chipslb								
G. SALTY, paste 350 lb bbls. basis								
10%lb								
Gall extractlb								
GALL EXTRACT.....lb								

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Acids: Sulphuric
Chamber-Oil of Vitriol 66°—Oleum
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Chemicals

Gambier, 25% lig. 450 lb bbls...lb	.14 : .15	HEMATINE, Paste, 500 lb bbls...lb	.09% : .13	Iodine Tinct. USP, 50 gal. bbls/gal	4.50 : 4.55
Common, 200 lb cases.....lb	.19% : .20	Crystals, 400 lb bbls.....lb	.14 : .18	Carboys .....gal	4.55 : 4.60
Singapore cubes, 180 lb bags...lb	... : .22	Hemlock, 25% 600 lb bbls. w/w. lb	.03% : .03%	Second Hands .....gal	4.28 : 4.35
Gelatin, USP silver lbl. 100 lb cs. lb	.60 : .65	Hemlock, bark .....ton	... : 20.00	Iodoform, powd., 10 lb bot. ....lb	... : 5.50
Gold Label, 100 lb cases....lb	... : .22	Hexamethylenetetramine, USP		Crystals, 10 lb bot. ....lb	... : 6.50
Technical, 100 lb cs. ....lb	.45 : .50	100 lb drums .....lb	.68 : .70	Iridium, metal 10 oz. lots....oz	260.00
GLAUBER'S SALT, tech. 200 lb bags,		Imported .....lb	.64 : .66	Iron, metal by hydrogen 1 lb bot. lb	.80 : 1.00
c/l w/w. ....100 lb		Rubber Makers, Impala. Pd.		IRON & AMM. CITRATE, USP 50 lb	
1c/l w/w. ....100 lb	1.10 : 1.20	dras .....lb	.82% : .85	can .....lb	
250 lb bbls, c/l w/w. ....100 lb	1.35 : 1.45	Homatropine Hydrobrom. USP 1 oz.		Green scales, 500 lbs.....lb	
bbls, c/l w/w. ....100 lb	1.25 : 1.35	vials .....oz	... : 14.57	Cadotyline, 100 lb bot. ....lb	6.50 : 6.75
Imported, bbls. spot .....lb	1.50 : 1.60	Five oz., 1 oz. vials.....oz	... : 13.50	Citrate, USP VIII 25 lb cans. lb	.99 : 1.01
USP, 300 lb bbls. Imp. sp. 100 lb	... : 1.25	Hydrastine Alk., USP, 1 oz. vial.oz	... : 16.57	Chloride, see ferric or ferrous	
USP, 300 lb bbls. dom. sp. 100 lb	... : 1.75	Hydichlride, USP, 1 oz. vial.oz	... : 16.57	Hypophosphite, 5 lb cans. ....lb	1.50 : 1.60
USP, 300 lb bbls. c/l w/w. 100 lb	... : 1.40	Sulfate, 1 oz. vial.oz	... : 18.07	Syrup, USP VIII. ....lb	... : .90
Calcedine, see Sodium Sulfate		Hydrastinine Hydichlride, USP 15 gr.		Iodide, 1 lb. bot. ....lb	4.28
Glucose, (Grape Sugar) dry, 100		vials .....lb	... : 1.00	... (USP) 5 lb bot. ....lb	.35 : .38
70° bags, c/l NY ...100 lb	4.20 : 4.54	Hydrasobenene, 100 lb kegs.....lb	... : ...	Nitrate, bags .....lb	.09 : .10
Syrup, Drs. & bbls. c/l NY 100 lb	4.26 : 4.45	HYDROGEN PEROXIDE, 25vol. 400 lb		Coml., bbls. ....100 lb	2.75 : 3.25
1c/l NY .....100 lb	4.36 : 4.55	bbls. ....lb		Oxalate scales, 25 lb cans. ....lb	.85 : .88
GLUE, pure white, bbls. ....lb	.22 : .26	100 vol. 140 lb drags. ....lb	.35 : .37	Oxide, red, Spanish .....lb	.02% : .03%
Medium white, bbls. ....lb	.20 : .24	USP Soln. 375 lb bbls. ....lb	.04% : .05	English .....lb	.10 : .12
French, bbls. ....lb	.18 : .25	100 vol. 145 lb drags. ....lb	.35 : .48	& Ammon. Oxalate, 25 lb bbls. ....lb	.42 : .45
High Grade, bbls. ....lb	.35 : .40	USP bot. 4 oz. cases. ....gross	.60 : 8.25	& Potassium Oxalate, 25 lb bbls. ....lb	.45 : .47
Bone, regular, bbls. ....lb	.10 : .12	Bot. 8 oz. cases. ....gross	11.75 : 12.00	& Sodium Oxalate, 25 lb bbls. ....lb	.41 : .43
Fish, regular. ....gal	1.50 : 1.75	Bot. 16 oz. cases. ....gross	19.75 : 20.00	Phosphate, USP, 50 lb ....lb	.69 : .74
GLYCERIN, C.P., 550 lb drums. ....lb	.19 : .19%	Hydroquinone, 100 lb kegs.....lb	1.40 : 1.50	Pyrophosphate, USP, 50 lb ....lb	
Cans, 50 lb .....lb	.20 : .23	Hyoscyamine Hydrobrom. USP 1 oz.		JALAP RESIN, lump, 5 lb tins. ....lb	3.75 : 4.00
Dynamite, 100 lb drs. ....lb	.18% : .18%	vial .....oz	... : ...	Powd. tins .....lb	4.00 : 4.25
Soapification tanks .....lb	.13% : .18%	Five oz., 1 oz. vials.....oz	... : 12.57	Kapoc, 200 lb double bales. ....lb	.26 : .28
Soap, Lye, tanks .....lb	.12% : .12%	Hyoscyamine Alk. Cryst., 1 oz. vials	... : 20.07	KIESELGUHR, 95 lb bags N.Y. ....ton	60.00 : 70.00
Gel Powder, see chrysanthemum		Alkaloid, Amanthine, 1 oz. vials	... : 75.07	LANOLIN, see Adeps Lanae	
Graphite, crude, 220 lb bags. ....ton	15.00 : 35.00	Hydrobromide, USP, 1 oz. vial.oz	... : 35.07	Larch, 25%, 600 lb bbls. w/w. ....lb	.03% : .04
Flaile, 500 lb bbls. ....lb	.05 : .09	Sulfate, 1 oz. vial. ....oz	... : 20.07	Powd., 100 lb bags. ....lb	.07 : .08
Ground, lump, bbls. ....lb	.04 : .05	Hyperic, 51%, 600 lb bbls. ....lb	.13 : .15	LEAD, metal, c/NY .....100 lb	... : 9.00
Guaiacol Liquid, USP, 25 lb cans. ....lb	2.25 : 2.35	Hyperic, chips .....lb	.06% : .07	Acetate, white crystals, 500 lb	
Benzoin, 1 lb bot. ....lb	... : 18.00	Iodides, see Petrus. Iodide, etc.		bbls. w/w. ....lb	
Carbonate, 5 lb boxes .....lb	3.00 : 3.50	Indigo, Madras, bbls. ....lb	1.25 : 1.30	White, ....lb	.18 : .18
Second Hands .....lb	2.85 : 2.95	Indigo, 20% paste, drums. ....lb	.17 : .20	White, broken, bbls. w/w. 100 lb	... : 14.75
HAARLEM OIL, Dom. 6 gr. cs. gross	2.65 : 2.75	INDINE, crude, 200 lb kegs. ....lb	... : 4.10	White, gran. bbls. w/w. 100 lb	... : 15.00
Imported, 5 gr. cans.lb	3.75 : 4.00	Resublimed, 10 lb jarslb	4.65 : 4.70	White, powd. bbls. w/w. 100 lb	... : 16.25
Halazone, 5 lb bot.lb	2.75 : 3.25			Kegs, w/w.lb	... : 18%
				Brown, broken, bbls. w/w.lb	... : 14%

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Chemicals

LEAD ACETATE (Cont.)	
USP, 100 lb. kegs.....	lb .19 : .19 1/2
Arsenite, 100 lb. kegs.....	lb .15 1/2 : .16 1/2
Bbls. c/l wks.	lb ... : .15
Bbls. c/l wks.	lb ... : .16
Paste, 100 & 600 lb. bbls.	lb .09 : .11
Iodide, USP, VIII 5 lb. bot.	lb 3.20 : 3.40
Nitrate, 500 lb. bbls. wks.	lb ... : .12
Oxide, litharge, 500 lb. bbls.	lb ... : .12 1/2
100 lb. kegs, wks.	lb ... : .16 1/2
Oxide, red, 500 lb. bbls. wks.	lb ... : .12 1/2
100 lb. kegs, wks.	lb ... : .17 1/2
Peroxide, 100 lb. drs.	lb .25 : .30
White, basic carb. 500 lb. bbls. wks.	lb ... : .11
Bbls. c/l wks.	lb ... : .11
100 lb. kegs, wks.	lb ... : .15 1/2
White, sulfate 500 lb. bbls. wks.	lb ... : .10 1/2
Bbls. c/l wks.	lb ... : .10 1/2
Licorice, Ext. Mass. cases.....	ton .25 : .26
Compound powder, bbls.	lb .11 : .13
Powdered.....	lb .38 : .40
Sticks, 1 oz. 100 lb. cases....	lb .45 : .50
LIME, (Salts, see Calcium Salts)	
Ground Stone, bags.	ton ... : 4.50
Lime, Bulk.	ton ... : 8.50
Live, 325 lb. bbls. ton lots wks.	lb ... : .01 1/2
Single bbl. wks.	lb ... : .01 %
Hydrated, 187 lb. bbl. ton lots, wks.	lb ... : .01 %
Single bbl. wks.	lb ... : .01 %
Oyster Shell, 150 lb. bbl. sing.	lb ... : .03 1/2
Sulfur, dry 200 lb. drs. NY.	lb ... : .04 1/2
Drs. c/l NY.	lb ... : .08
53° Solt. 50 gal. bbls. NY gal.	lb .15 : .16
Linalool, 5 lb. bot.	lb 6.25 : 6.75
Litharge, see lead oxide	
Lithium Carb. USP, 100 lb. kgs.	lb 1.50 : 1.60
Bromide, 100 lb. ca.	lb 1.80 : 1.90
Citrate, USP, 100 lb. kgs.	lb 1.70 : 1.75
Iodide, 5 lb. bot.	lb ... : 5.48
Lithopone, 400 lb. bbls. c/l wks.	lb ... : .06 %
Bbls. c/l wks.	lb ... : .06 1/2
Bags, c/l wks.	lb ... : .06 1/2
Imported, 400 lb. bbls.	lb .05 % : .06
Litmus Cubes	lb .90 : 1.00
Logwood, 51°, 600 lb. bbls.	lb .08 1/2 : .08 1/2
Lower grades	lb .07 : .08
Solid, 50 lb. boxes	lb .12 1/2 : .16
LOGWOOD, sticks	ton 23.00 : 27.00
Chips, 150 lb. bags	lb .03 : .03 1/2
Luminol, see Phenylethylmalonurea	
Madder, Dutch	lb .28 : .30
MAGNESITE, crude	ton ... : 15.00
Calcin'd, 500 lb. bbls.	ton ... : 48.00
Magnesium mill., sticks 100 lb. ca. lb.	lb 1.25 : 1.30
Carb. tech. 70 lb. bags NY.	lb .06 1/2 : .07
75 lb. bbls. NY.	lb .09 : .11
USP, 60 lb. bbls.	lb .12 : .14
USP, blocks 100 lb. ca. 1, 2, 4 oz.	lb .19 : .23
Chloride, fused 575 lb. drs. c/l wks.	ton ... : 34.00
Flaked, 350 lb. drs. wks./ton.	ton ... : 36.00
Imp., fused 900 lb. bbls. NY ton 26.00 : 28.00	
Fluorocarbonate, crystals 400 lb. bbls. wks.	lb .12 : .15
30% soln. 500 lb. bbls. wks.	lb .07 : .07 1/2
Soln. bbls. c/l wks.	lb ... : .06
Glycerophosphate, 5 lb. tins.	lb ... : 3.25
Hypophosphate, 5 lb. cans.	lb ... : 1.08
Oxide, USP light, 100 lb. bbls.	lb ... : .42
USP, heavy, 250 lb. bbls.	lb ... : .50
Peroxide, 5 lb. cans	lb ... : 2.40
Perborate, 1 lb. tins.	lb ... : 2.62
Salicylate, 100 lb. kegs.	lb .75 : .80
Manganese Borate, 30%, 200 lb. bbls.	lb ... : .24
100 lb. kegs.	lb ... : .25
Chloride, 600 lb. casks.	lb .06 : .06 1/2
Dioxide 80-84% 900 lb. bbls.	ton 80.00 : 85.00
NY	85-90%, 900 lb. bbls. NY. ton 85.00 : 90.00
MANGANESE DIOXIDE (Cont.)	
Hydrated, precip. 100 lb. kgs.	lb .15 : .20
Glycophosphate, 5 lb. tins.	lb ... : 2.95
Hypophosphate, USP VIII 5 lb. cans.	lb ... : 1.40
Iodide, 1 lb. bot.	lb ... : .65
Ore, bulk, NY.	lb .43 : .44
Sulfate, 600 lb. casks, NY.	lb .07 : .07 1/2
Mangrove, 55% 400 lb. bbls.	lb .04 1/2 : .05
Mangrove bark, African.	ton ... : nom.
Martins Flour, bulk.	ton 10.00 : 12.00
See also Calcium Carbonate	
MENTHOL, USP, 60 lb. cases	lb ... : 12.00
Less case, 5 lb. tins.	lb ... : 12.50
MERCURY, metal, 75 lb. flasks	flask 77.00 : 78.00
Less Flasks, 5 lb. jugs.	lb ... : 1.20
Bichloride, cryst. 25 lb. bxs.	lb ... : 1.20
Gran. powd., 200 lb. kegs.	lb ... : 1.10
Bisulfate, 25 lb. boxes.	lb ... : 1.08
Blue Mass, 25 lb. boxes.	lb ... : .71
Powdered, 25 lb. boxes.	lb ... : .73
Blue Ointment, USP, 25 lb. cans	
50%	lb ... : .94
USP, dilute 25 lb. cans 30%	lb ... : .71
33 1/3% Mercury	lb ... : .80
Calomel, 50 lb. bxs.	lb ... : 1.37
Clirine Ointment, 25 lb. jars.	lb ... : .51
Iodide, green 25 lb. jars.	lb ... : 4.20
Red, USP, 25 lb. jars.	lb ... : 4.30
Yellow, USP, VII 25 lb. jars.	lb ... : 4.20
Oxide, Yellow, USP, 25 lb. bxs.	lb ... : 1.78
Red Precip. USP, 25 lb. bxs.	lb ... : 1.48
Powder, USP, 25 lb. bxs.	lb ... : 1.58
White Precip. USP, 25 lb. bxs.	lb ... : 1.49
Powdered, USP, 25 lb. bxs.	lb ... : 1.54
With chalk, USP, 25 lb. bxs.	lb ... : .71
Meta-Nitramine	lb .70 : .80
Meta-Nitro-para-Toluidine, 300 lb. bbls.	lb 2.05 : 2.10


VICTOR CHEMICAL WORKS
CHICAGO, ILL.
*Largest Domestic
Manufacturers of*
**OXALIC
ACID**
HIGHEST PURITY
BRANCHES:
 New York - Nashville
 St. Louis

1816  **1925**
"Over a Century of Service and Progress"
CAUSTIC SODA
"CARRARA" FILLER
RUBBER MAKERS' LIME
CARBON TETRACHLORIDE
INNIS, SPEIDEN & CO., Inc.
*Manufacturers, Importers, Exporters of
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 Philadelphia
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 Cleveland
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FACTORIES:
 Niagara Falls, N. Y.
 Jersey City, N. J.
 Murphysboro, Ill.
 Owego, N. Y.

Chemicals

Meta-Phenylenediamine, 500 lb.			
Tons Ib	.90	: .98	
Meta-Toluylendiamine, 300 lb.			
Bbls Ib	.80	: .84	
METHANOL (Wood AlcohoL)			
95% tanks gal		: .67	
Drums, c/l gal		: .70	
Drums, lc/l gal		: .72	
97% tanks gal		: .69	
Drums, c/l gal		: .72	
Drums, lc/l gal		: .74	
Pure, Acetone free, tins gal		: .75	
Drums, c/l gal		: .77	
Drums, lc/l gal		: .80	
Bbls. incl. 5¢ higher			
Methyl Acetone, 100 gal. drums, gal	.75	: .80	
Tanks, cars gal	.70	: .75	
Chloride, 90 lb. cyl. Ib	.50	: .55	
Silicate, USP, 50 lb. cases Ib		: .47	
500 lb. drums Ib		: .45	
Second Hands, cases Ib	.44	: .45	
Methylene Blue, tech. 100 lb. kgs. Ib	1.25	: 1.50	
USP, medicinal 5lb. cans Ib	2.00	: 2.30	
Mischler's Ketone, 225lb. bbls. Ib		: 3.75	
Milk, powd. 150lb. bbls. Ib	.14	: .18	
Milk Sugar, see sugar of milk			
Mineral Oil, see oil mineral			
Mineral Rubber ton	35.00	: 75.00	
Monacetine, 50 gal. drums Ib	6.	: .50	
Monochlorobenzene, see chlorobenzene			
Monooxytylaniline, 900 lb. drs. Ib	.90	: 1.00	
Monomethyl para-phenol sulfate,			
100lb. drs. Ib	3.95	: 4.20	
10 oz. oz		: 7.35	
MORPHINE Sulfate, USP 5 oz. tins			
5¢ 25¢ extra; single or vials, 10 oz. extra, over price for 5 oz. tins, 25 oz. lots in 5 oz. tins, 10¢ oz. lower than above schedule. Less than 10 oz. lots 15¢ oz. higher than above schedule.			
MORPHINE (Cont.)			
Acetate, 5 oz. tins 10 oz. lots, oz. Ib		: 7.35	
Hydrobromide, 5 oz. tins 10 oz. lots Ib		: 7.35	
Hydchloride, 5 oz. tins 10 oz. lots Ib		: 7.35	
Ethyl Hydchloride, ½ oz. vials 10 oz. Ib		: 9.35	
Small Sizes: ½ oz. vials, 50¢ extra;			
Musk Ambrette, 1 lb. cans Ib	10.50	: 11.75	
Myrobalsam, 25% liquid bbls. Ib	.04	: .05	
50% solid, 50 lb. boxes Ib		: .08	
Imperial Ib		: .08%	
Myrobalsam, bags JI ton	60.00	: 65.00	
RE ton		: 65.00	
JZ ton	47.00	: 52.00	
NAPHTHA, See Solvent Naphtha			
NAPHTHALENE, Flake, 175lb. bbls.			
wks. Ib	.05%	: .06%	
Bbls, c/l wks. Ib	.05	: .05%	
Bbls, second hands, NY. Ib	.05	: .05%	
Balas, 250lb. bbls. wks. Ib	.06%	: .07	
Bbls, c/l wks. Ib	.06	: .06%	
Bbls, second hands NY. Ib	.06%	: .06%	
Crushed, chipped, bags, wks. Ib		: .05	
Crude, imp., bags Ib		: .02	
NICKEL			
Ingot, 100lb. kgs. Ib	.31	: .32	
Salt, single 400lb. bbls. NY. Ib	.09	: .10	
Double, 400lb. bbls. NY. Ib	.10	: .11	
Oxide, 100lb. kgs. NY. Ib	.38	: .40	
Sulfate, 450lb. bbls. Ib	.09	: .10	
Nickel Metal, electrolytic 100lb. Ib			
Nicotine, Free 40%, 8lb. tins. Ib	1.35	: 1.90	
Sulfate, 10lb. tins, 40% Ib	1.05	: 1.25	
NITRATE SODA, spot, See Sodium Nitrate			
Nite Cake, bulk wks. ton	5.50	: 6.00	
500lb. bbls. ton	13.00	: 14.00	
Nitrobenzene, crude, 1000lb. drs.			
wks. Ib	.09	: .09%	
Redistilled, 1000lb. drs. wks. Ib	.09%	: .10%	
Nitrogenous Material, unit			
Nitronaphthalene, 550lb. bbls. Ib	.20	: .21	
Nitrotoluene, mixed 1000lb. drs.			
wks. Ib	.14	: .15	
Nutgalls, see Crude Drugs			
Oak bark, whole, ton			
Ground ton		: 35.00	
Oak, tanks, wks. Ib			
23-25% liq. 600lb. bbls. wks. Ib	.04%	: .04%	
Ochre			
Oil Fuel, see Fuel Oil			
oIL MINERAL, wh. 50 gal. bbls. gal			
1.00	: 1.25		
Oil Mirbane, see nitrobenzene			
Opium, see crude drugs			
Orange Mineral, 800lb. casts NY. Ib			
500lb. bbls. NY. Ib		: .14	
Ortho-Aminophenol, 50lb. kgs. Ib			
2.40	: 2.50		
Ortho-Anisidine, 100lb. drs. Ib			
3.00			
Ortho-Dichlorobenzene, 1000lb. drs.			
wks. Ib	.05%	: .06	
Ortho-Nitrochlorobenzene, 1200lb.			
dr. wks. Ib		: .37	
Ortho-NitrophenoL, 350lb. Ib			
Ortho-Nitrotoluene, 1000lb. drs.			
wks. @	.14	: .16	
Ortho-Toluuidine, 350lb. bbls. Ib			
20	: .22		
Orange Orange, 51° liquid Ib			
.06%	: .07		
Powd., 100lb. bags Ib			
1.35	: .14		
Oxgall, USP, 5lb. bot. Ib			
2.00	: 3.00		
Purified, 5lb. bot. Ib			
1.50	: 2.50		
Crude, 5lb. bot. Ib			
.80	: 1.25		
PALLADIUM, metal 10 oz. lots. oz			
80.00	: 81.00		
Pancreatin, USP 5lb. bot. Ib			
1.25	: 1.40		
Papain, 10lb. bot. USP. Powd. Ib			
2.15	: 2.25		
Crude, 150lb. cans. Ib			
1.80	: 1.85		
Paraffin, ref'd 200lb. ct. slabs			
123-127 Deg. M. P. Ib			
.05%	: .05%		

Pale Cresylic Acid

97-99%

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The Graesser-Monsanto Chemical Works, Ltd.

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excellent quality

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MONSANTO

Chemicals

PARAFFIN (Cont.)	
128-132 Deg. M. P.	lb .06 : .06%
133-137 Deg. M. P.	lb .06% : .07
138-140 Deg. M. P.	lb .07% : .07%
Para-Aminocetanilid, 100 lb kegs	lb 1.10 : 1.15
Para-Aminophenol, 100 lb kegs	lb 1.18 : 1.25
Hydrochloride, 100 lb kegs	lb 1.85 : 1.40
Para-Dichlorbenzene, 150 lb bbls. wks.	lb .17 : .20
25-50 lb kegs	lb .18 : .22
Paraldehyde, 100 gal drums	lb ... : .48
Para-Cymene, Refd., 110 gal drugs	lb 2.25 : 2.50
Parformaldehyde, USP, 100 lb bbls.	lb .42% : .45
Para-Nitroacetanilid, 300 lb bbls.	lb .50 : .55
PARA-NITROANILINE, 300 lb bbls. wks. ton	lb .62 : .65
Para-Nitrochlorobenzene, 1200 lb bbls.	lb .20 : .22
Para-Nitro-ortho-Toluidine, 300 lb bbls.	lb 2.75 : 2.85
Para-Nitrophenol, 185 lb bbls.	lb .55 : .58
Para-Nitromdimethylaniline, 120 lb bbls.	lb .95 : 1.00
Para-Nitrotoluene, 350 lb bbls.	lb .40 : .42
Para-ox Benzaldehyde, 100 lb kegs	lb ... : 1.70
Para-Phenetidin, 500 lb bbls.	lb 1.55 : 1.80
Para-Phenylenediamine, 350 lb bbls.	lb 1.25 : 1.30
Para-Toluene-Sulfonamide, 175 lb bbls.	lb .40 : .41
Para-Toluene-Sulfochloride, 410 lb bbls.	lb .18 : .20
Para-Toluidine, 350 lb bbls. wks.	lb .70 : .75
PARIS GREEN	
Arsenic Basic, 500 lb kegs	lb .21 : .24
Kegs, 100 lbs	lb .32 : .33
Kits, 56, 28, 14 lbs	lb .34 : .35

PARIS GREEN (Cont.)

Packages, 5 and 2 lbs.

Packages, 1 lb., 1/2, 1/4 lb.

Paris White, see whiting, French

Pepin, USP, 5 lb bot.

Persian Berries

Pheophytin, 5 lb bot.

Phenol, see also acid carbolic

Makers, 950 lb drums, spot.

Small drums, 240-100 lb

Open market, drums

240 lb des. drs. wks.

Natural, 240 lb des. drs. wks.

Phenolphthalein, USP, 100 lb drs. lb

5 lb cans, 100 lb lots.

Phenyl-alpha-Naphthylamine 100 lb
kegs

Phenylethylalcohol, 1 lb bot. Dom. lb

Imported

Phenylethylmalonylurea, cr. pts. oz

Phosgene, 100 lb cylinders

Phosphate Acid, 16% Bulk wks. ton

Phosphate Rock, f.o.b. mines

Florida Pebble, 68% ton

Florida Pebble, 70% ton

Florida Pebble, 75-74% ton

Tennessee, 75% ton

Phosphorus Oxychloride, 175 lb cyl. lb

Phosphorus, red 110 lb cs., wks. lb

Imported, 112 lb cases

Yellow, 110 lb cs., wks. lb

Imported, 112 lb cases

Phosphorus Trichloride, 175 lb cyl.

wks. lb

Phthalic Anhydride, 100 lb bbls. lb

PARIS GREEN

Packages, 5 and 2 lbs.

Packages, 1 lb., 1/2, 1/4 lb.

Paris White, see whiting, French

Pepin, USP, 5 lb bot.

Persian Berries

Pheophytin, 5 lb bot.

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Makers, 950 lb drums, spot.

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240 lb des. drs. wks.

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5 lb cans, 100 lb lots.

Phenyl-alpha-Naphthylamine 100 lb
kegs

Phenylethylalcohol, 1 lb bot. Dom. lb

Imported

Phenylethylmalonylurea, cr. pts. oz

Phosgene, 100 lb cylinders

Phosphate Acid, 16% Bulk wks. ton

Phosphate Rock, f.o.b. mines

Florida Pebble, 68% ton

Florida Pebble, 70% ton

Florida Pebble, 75-74% ton

Tennessee, 75% ton

Phosphorus Oxychloride, 175 lb cyl. lb

Phosphorus, red 110 lb cs., wks. lb

Imported, 112 lb cases

Yellow, 110 lb cs., wks. lb

Imported, 112 lb cases

Phosphorus Trichloride, 175 lb cyl.

wks. lb

Phthalic Anhydride, 100 lb bbls. lb

Phthalic Anhydride, 100 lb bbls. lb

PILOCARPINE HYDCHLIDE, USP 25 oz.

Packs, 1 oz. vials....oz 4.00 : 4.50

Nitrate, 25 oz.oz ... : 4.00

Single, oz.oz ... : 4.50

Alkaloid, 15 gr. vials...oz ... : .85

Pine Oil, stem dist. bbls....gal ... : .66

Destructive dist.lb ... : .64

Piperazine Hydrate, 1 lb bot....lb ... : 16.00

Podophyllin, 25 oz.oz 1.10 : 1.25

Pitch, Coal-Tar, wks.ton 24.00 : 26.00

Pitch, primebbl ... : 5.50

Plaster Paris, tech 250 lb bbls.bbl ... : 3.30

True Dental, 300 bbls....bbl ... : 4.50

Platinum, metal soft 10 oz. lots...oz ... : 119.00

Podophyllin, 5 lb bot....lb 4.75 : 5.00

Second Handslb 4.35 : 4.45

PECTASH

Pot Muritate, basis, 80% bgs. ton ... : 34.55

Pot Sulfate, basis, 90% bgs. ton ... : 45.85

Dble. Manure Salts, basis 48% bgs.ton ... : 26.35

Manure Salts, basis, 30% bulk ton ... : 17.03

Manure Salts, basis, 20% bulk ton ... : 10.55

Kainit, basis, 12.4% bulk ton ... : 7.75

Bulk in bags, \$2.00 extra.

Prices c.i.f. Atlantic & Gulf Ports.

Discounts, 50 tons, 5%; 500 tons, 10%.

POTASH, CAUSTIC, solid 88-92%

700 lb drs. wks.lb .07% : .07%

Imp., 88-92% 700 lb drs. NY. lb .07% : .07%

USP, by alcohol 5 lb cans...lb .45 : .48

caseslb .30 : .35

POTASSIUM Acetate, USP, 100 lb

kegslb .29 : .30

Second Hands, kegslb .28 : .28

Bicarbonate, crs. 320 lb bbls.lb .10 : .11%

Bichromate, crs. 900 lb cans.lb .08% : .08%

Powd., 900 lb cans.lb .11 : .12

Binoxalate, 300 lb bbls....lb .19 : .20

Import, 112 lb bbls....lb .18 : .19

Largest producers of Pure Phthalic Anhydride in the world



SELDEN

99.99 + % Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other
Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same
colorless appearance as SELDEN BRAND, it contains foreign matter
which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be
traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.P., 5 lb cans... Ib	... : .30
100 lb kegs..... Ib	... : .22
Bromate, 100 lb cr. Ib	.55 : .95
BROMIDE, USP, cryst., 450 lb bbls. Ib	.49 : .49
Granular, 200 lb bbls.... Ib	.48 : .49
Cases, 100 lb Ib	... : .50
Imported, USP, 220 lb crs.... Ib	.38 : .40
CARBONATE, 80-85% case	
800 lb crs..... Ib	.05% : .06
80-85%, hydrated, 800 lb crs. Ib	.05% : .06
90-95% calc. cases.... Ib	.06 : .06%
96-98% calc. cases.... Ib	.06% : .06%
99% calc. cases.... Ib	.07 : .07%
USP, 100 lb kegs.... Ib	.10% : .11
99% C.P., cases.... Ib	... : .12%
Chlorate, cryst., 112 lb kegs/c/l	
wks. Ib	.08% : .09
Imp. 112 lb kegs, NY.... Ib	.07% : .08
Powd., 112 lb kegs, wks.... Ib	.08% : .09
Imp., kegs, NY.... Ib	.07% : .07%
Gran. Imp., 112 lb kegs NY.... Ib	.10% : .11
Pyrotechnic, fine powd. NY.... Ib	... : .07
USP, fine cryst. 110 lb kegs NY Ib	.14 : .15
Chloride, cryst., bbls.... Ib	.04% : .04%
Chlorite, USP, 50 lb Ib	... : .60
Cyanide, 110 lb cases.... Ib	.58 : .60
Diphosphonate, 75% Soln. 25 lb time Ib	1.35 : 1.50
Guaiacol Sulfonate, 5 lb cans. 10 lb Ib	2.00 : 2.25
Hypophosphite, 10 lb cans.... Ib	.80 : .85
Iodide, USP, 100 lb cases.... Ib	3.45 : 3.50
Lactophosphate, 4 oz. bot.... Ib	... : .90
Metabisulfite, 300 lb bbls.... Ib	.18 : .20
Imp., 550 lb bbls.... Ib	.09 : .10

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY K ₂ O unit	... : .63
Nitrate, see Saltpetre	
Oxalate, neutral 100 lb kegs.... Ib	.19 : .20
Perchlorate, 112 lb kegs, Mich.-Apr. Ib	... : .12%
PERMANGAN, USP, crys. 500 lb & 100 lb drs., wks.... Ib	.15 : .16
Prussiate, red, 500 lb cans.... Ib	.36% : .37
Prussiate, yellow, 500 lb cans.... Ib	.18% : .19
Saliocylate, 25 lb cans.... Ib	.60 : .65
Sulfate, 200 lb bags, NY K ₂ O unit	... : .85
IMP. VIII, 100 lb kegs.... Ib	.18
Sulfocyanide, CP 25 lb jars.... Ib	... : .50
Tartate, neutral, 100 lb kegs.... Ib	.51
Titanium Oxalate, 200 lb bbls.... Ib	.19 : .21
Prussian blue Ib	.45 : .50
Pumice Stone, Lump, 250 lb bbls.... Ib	.04% : .06
Lump, bags.... Ib	.03% : .05
Powdered, 350 lb bbls.... Ib	.02% : .03
Pyridine, 50 gal. drum.... gal	4.20 : 4.25
QUERCARACHO, 35% liquid tins.... Ib	.03 : .03%
450 lb bbls.... Ib	.03% : .04
35% bleaching, 450 lb bbls.... Ib	.04% : .05%
Solid 65%, 100 lb bales.... Ib	... : .05
Clarified, bales.... Ib	... : .05
Quicksilver, 51° 450 lb bbls.... Ib	.06% : .07
Powdered, 100 lb boxes.... Ib	.10% : .13
Quercin bark, rough, ton	... : 14.00
Ground	ton 34.00 : 35.00
QUICKSILVER, see Mercurry	
Quinidine Alk., 100 oz. tins.... oz	... : .75
Sulfate, 100 oz. tins.... oz	... : .50
Outardine, see Chloroquin	
QUININE SULFATE, USP.	
American, 100 oz. tins.... oz	... : .50
100 tins, 1000 lbs lot.... oz	... : .57
Dutch, 1000 tins.... oz	... : .56

QUININE SULFATE, USP.

Java, 100 oz. tins..... oz	... : .50
Japanese, 100 oz. tins..... oz	... : .50
Acetate	... : .83
Arsenate	... : .83
Benzotate	... : .88
Bisulfate, USP	... : .50
Citrate	... : .62
Dihydrochloride, USP	... : .66
Dihydropromide	... : .66
Dicarbonate, 10 oz. tins..... oz	... : 2.50
Ethyl Carbonate, 16 oz. tins..... oz	... : .91
Ferrocyanide	... : .88
Formate	... : .85
Glycerocephosphate	... : .88
Hydroiodide	... : .88
Hydrobromide, USP	... : .62
Hydrochloride, USP	... : .62
Hydrochlorofluoride	... : .66
Hydichloride & Urea, USP	... : .88
Hypophosphite	... : .88
Lactate	... : .78
Phenolsulfonate	... : .88
Phosphate	... : .74
Salicylate, USP	... : .63
Tannate, USP	... : .45
Tartate	... : .88
Valerate	... : .89
Small Sizes: 10 vials or cans, 50 lb lots, 5c on extra; 500 cans, 500 lbs lots, 5c on extra; 250 cans, 500 lbs lots, 2c on extra; single 10 vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000 lots in 1000 cans. Sulfate and bisulfate sold basis 1000 lots in 1000 cans. Smaller orders or containers extra as above schedule.	

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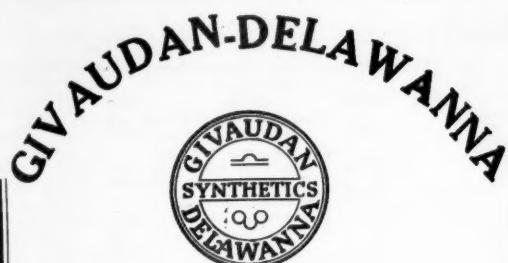
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**American Manufacturers
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Specialties for Fine Perfumery

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Muguet No. 16
(Lily of the Valley)

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The causes of typhoid epidemics concern every thinking citizen, as well as those officials directly entrusted with the duty of preserving health.

Untreated sewage and trade wastes often are the offenders, many epidemics having been traced to these sources. Many progressive communities are disinfecting sewage and trade wastes with E B G Liquid Chlorine, thereby securing safety from disease epidemics at minimum expense and little effort.

We have prepared a new and authoritative manual, "Liquid Chlorine for Water Sterilization and Sewage Disinfection," which everyone interested in these important subjects should read. Write for your copy, which is free.

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PIONEER MANUFACTURERS OF LIQUID CHLORINE

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Chemicals

		SALT PETRE (Cont.)			SODA ASH (Cont.)		
R SALT, 250 lb bbls., wks....	lb .47 : .49	Large Crystals, bbls....	lb .06%	.08%	c/l wks.	100 lb	... : 1.45.
Red Lead, see lead oxide		Large Crystals, 350-400 lb bbls.,	lb .06%	.08%	Pmp't. and spot, Basis 58% bags	... : 1.50	
Red Precipitate, see mercury		c/l wks.	lb .07%		c/l wks.	100 lb	... : 1.50
Resorcin, see resorcinol		Small Crystals, 350-400 lb bbls.,	lb .07%		SODA, CAUSTIC, 76% solid		
Resorcinol tech., 100 lb bags....	lb 1.35 : 1.60	c/l wks.	lb .07%		1-4 drums deliv'd NY. 100 lb	... : 3.91	
USP, 25 lb cans.....	lb 2.25 : 2.35	Powdered, bbls, c/l wks....	lb .07		5 & Up drums deliv'd NY. 100 lb	... : 3.76	
Grochelle Salt, USP, 225 lb bbls....	lb .20 : .21	Imported, 500 lb bbls, NY....	lb .05%	.06%	Ground & Flake, 76%		
Imp. USP, 300 lb bbls....	lb .18% : .19	Santonin, USP, 1 lb bot....	lb 155.00	: 158.00	1-4 drums, deliv'd NY. 100 lb	... : 4.31	
Quassia, triple, 5 gal. demis-wks	lb .90 : 1.10	Powd. 1 lb bot....	lb 158.00	: 162.00	5 & Up drums deliv'd NY. 100 lb	... : 4.16	
Rosin, (Sold in 600 lb bbls., gross for net,		Saponin, ex Quillaja, 5 lb tins....	lb .90	: 1.00	1-4 bbls, deliv'd ...	100 lb	... : 4.56
B.	250 lb ... : 8.20	Satin White, 500 lb bbls....	lb ...	: .01%	5 & Up bbls, deliv'd ...	100 lb	... : 4.41
D.	250 lb ... : 8.25	Schaeffer's Salt, 250 lb bbls, wks....	lb .60	: .65	Contract basis 76% c/l wks.		
E.	250 lb ... : 8.25	Scopolamine, see hyoscine.			100 lb	... : 3.10	
F.	250 lb ... : 8.25	Sedilite Mixture, 225 lb bbls....	lb .16%	.16%	Pmp't. and spot, Basis 76% c/l wks.		
G.	250 lb ... : 8.25	SILICA			100 lb	... : 3.20	
H.	250 lb ... : 8.30	Crude, bulk, mines....	ton 10.00	: 13.00	Contract 74% low grade c/l wks, flat		
I.	250 lb ... : 8.35	Refined, bagged, bags....	ton 18.00	: 30.00	76% pump't. and spot, wks. c/l wks.		
K.	250 lb ... : 8.60	Air floated, bags....	ton 32.00	: 50.00	Contract 76% drums c/l wks, flat		
M.	250 lb ... : 9.00	Extra bagged bags....	ton 55.00	: 85.00	100 lb	... : 3.56	
N.	250 lb ... : 9.30	SILVER, metal, American....	oz ...	: .68%	USP, stick, 10 lb cans....	lb .19	: 21
WG.	250 lb ... : 9.50	Colloidal, 12oz bot....	oz ...	: 2.80	Pure, stick, by alcohol....	lb .25	: 27
WW.	250 lb ... : 10.60	Silver Iodide, 18oz bot....	oz ...	: .89	SODIUM ACETATE, cryo, 450 lb bbls., wks....		
(Sold in 600 lb bbls., gross for net, <td></td> <td>Nitrate, 16 oz. bot....</td> <td>oz ...</td> <td>: .46%</td> <td>Aluminate, 500 lb bbls., wks....</td> <td>lb .07%</td> <td>: .08</td>		Nitrate, 16 oz. bot....	oz ...	: .46%	Aluminate, 500 lb bbls., wks....	lb .07%	: .08
quotations based on a unit of 280 lb.).		Nucleinate, 16oz. hot....	oz ...	: .38	Aluminum Sulfate, see alum soda		
Rosin Oil, first run, 50 gal. bbls, gal	gal .48 : .50	Proteinate, 16 oz. bot....	oz ...	: .38	Arsenite, 4 lb mat. wks. drums, gal	.50	: .60
Second run, bbls....	gal .51 : .52	Soap, Castile, 40 lb bxs....	lb .20	: 28	Drums, 8 lb material, wks....	gal 1.00	: 1.20
Rotten Stone, lump imp., bbls....	lb .07 : ..	Powd. USP, 250 lb bbls....	lb .28	Benzonate, LSP, 100 lb bbls....	lb .62	: .85	
Lump selected, bbls....	lb .09 : .12	Green, USP, 150 lb kegs....	lb .07	: 0.74	Resales	lb .61	: .62
Powdered, bbls....	lb .02 : .05	Soapstone, see Talc, crude			Bicarbonate, 400 lb bbls, NY....	100 lb	... : 2.25
Domestic, bags, mince....	ton 24.00 : 30.00	SODA ASH, 58% light			Bbls, c/l wks....	100 lb	... : 2.00
SACCHARINE, USP, 10 lb cans, 25 lb	lb 1.75 : 1.85	1-4 bags deliv'd NY....	100 lb	... : 2.19	112 lb kegs, wks....	100 lb	... : 2.25
Soluble, USP, 10 lb cans, 25 lb....	lb 1.75 : 1.85	5 & Up bags deliv'd NY....	100 lb	... : 2.04	112 lb kegs, NY....	100 lb	... : 2.50
Sago Flour, 150 lb bags....	lb ... : .05	1-4 bbls, deliv'd NY....	100 lb	... : 2.44	Bichromate, 600 lb casks wks....	lb .06%	: .07
Sal Ammoniac, see Ammon. Chloride		5 & Up bbls, deliv'd NY....	100 lb	... : 2.29	Casks, c/l NY....	lb .06%	: .07
Salicin, USP, 1 lb cartons, 25 lb....	lb 4.75 : 5.00	Contract, Basis 58% bags c/l	ton 10.00	: 1.38	Casks, NY....	lb .06%	: .06%
Salol, USP, 100 lb drums....	lb .75 : .80	wks....			Bisulfite, dry powder, 500 lb	bbls, wks....	lb .04 : .04%
Salt, Common, see sodium chloride		Promo' and spot Basis 58% bags					
Salt Cake, c/l f.o.b. wks....	ton 18.00 : 22.00	c/l wks....	100 lb	... : 1.43			
SALT PETRE, Double Refined		Contract, Basis 58% dense bags					
Granular, 400-500 lb bbls.							
c/l wks....	lb ... : .06						

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Modified Soda

Bicarbonate of Soda

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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls...lb	.48	: .49
Cass., 50 lblb	.48	: .49
Imp. USP, 112 cu. ....lb	.40	: .42
Bromate, 100 lb ca. ....lb	...	: 1.15
Cacodylate, USP, 25 lb 5 lb bot. ....lb	5.90	: 6.00
Carbonate, m.s. soda, 350 lb bbls. le/l NY .....100 lb	1.30	: 1.35
Works e/l .....100 lb	1.10	: 1.30
Monohydrate, 400 lb bbls. le/l NY .....100 lb	...	: 2.40
Pure photographic 100 lb kg .....lb	.06	: .08
Chlorate, 112 lb kegs, wks...lb	.06 1/4	: .06 1/2
Imported, 112 lb kegs .....lb	.06 1/4	: .06 1/2
Chloride, tech. ....ton	12.00	: 13.00
C. P., 300 lb bbls...lb	.05	: .06
Chromate, 800 lb bbls...lb	...	: .08
Citrate, USP, IX, 50 lb kegs...lb	...	: .59
USP, VIII, 50 lb kegs...lb	...	: .52
Cyanide, 98-98%, 100 lb cases wks. ....lb	...	: .22
Ten lots, wks. ....lb	...	: .22
75-76%, 100 lb cases, wks. ....lb	...	: .19%
125-127%, 200 lb ca. ....lb	.20	: .20 1/2
120-125%, 200 lb ca. ....lb	.17	: .18
118-120% 200 lb ca. ....lb	.16	: .17
Fluoride, 300 lb bbls, wks...lb	...	
Imp. 350 lb bbl. ....lb	.09	: .09 1/2
Glycero-phosphate, USP, cryst. 25 lb cares. ....lb	1.40	: 1.50
Powder, 25 lb tins .....lb	1.45	: 1.60
Sol. tion, USP, 25 lb tins...lb	1.05	: 1.15
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100 lb chys. ....lb	...	: .05
14 1/2% soln., 50 lb chys. ....lb	...	: .04
Hydroxide, 200 lb bbls, fob, wks. ....lb	.22	: .24
For Stripping, 50 lb cans...lb	.35	: .40
Hypophosphite, USP, 25 lb cans lb	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pea crys. 375 lb bbls, wks...100 lb	2.65	: 3.05
Bbls, e/l wks. ....100 lb	...	: 2.50
100 lb kegs, wks. ....100 lb	2.75	: 3.30
Imp. ....100 lb	2.90	: 3.00
Regular crys., bbls. wks.100 lb	2.40	: 2.65
Bbls, e/l wks. ....100 lb	2.40	: 2.50
Kegs, wks. ....100 lb	3.00	: 3.10
Imp. ....100 lb	...	: 2.35
Iodide, USP, 25 lb jars ....lb	4.25	: 4.30
Metasilicate, 150 lb bbls....lb	.55	: .70
Naphthalene, 300 lb bbls....lb	.57	: .60
Nitrate, crude, 95%, 200 lb bags e/l NY .....100 lb	...	: 2.66
Future, NY .....100 lb	2.66	: 2.67
Double, Refined 400 lb bbls gran. e/l wks. ....lb	...	: .04 1/4
Powdered, bbls. e/l wks. ....lb	...	: .05 1/4
Nitrite, 500 lb bbls, spot makers. ....lb	...	: .08
Imp. 650 lb cans. ....lb	.09	: .09 1/2
Ortho-Chloro-Toluene Sulfonate, 175 lb bbls, wks. ....lb	.25	: .27
Oxalate, neutral, 100 lb kegs. ....lb	...	: .39
Perborate, 275 lb bbls....lb	.23	: .23
Imp. 225 lb drs. ....lb	.22	: .23
Peroxide, 200 lb cases ....lb	.25	: .27
Phosphate, di-sodium, tech. 550 lb Bbls. ....lb	...	: .03 1/2
USP, gran. 275 bbls....lb	.07	: .07 1/4
Imp. gran. ....lb	.05 1/2	: .04
USP, Crystal, 275 bbls. ....lb	...	: .08
Mono-sodium, 100 lb kegs. ....lb	.70 1/2	: .31
Tri-sodium, tech. e/l bbls. ....lb	.04	: .04 1/4
Picramate, 100 lb kegs. ....lb	...	: .60
Para-Toluene Sulfonate, 175 lb bbls. ....lb	.08	: .09
PRUSSIAE, yellow, 350 lb bbls. wks. ....lb	...	: .10 1/2
Imp. 450 lb cks. ....lb	...	: .10 1/2
Pyrophosphate, 100 lb kegs. ....lb	.24	: .26
Salicylate, 100 lb kegs. ....lb	...	: .40
Second Hands, USP. kegs. ....lb	.37	: .40

SODIUM—(Continued)

Silicate, 60° 700 lb bbls, f.a.s. NY .....100 lb	...	: 2.00
Works, 1000 lb drs...100 lb	...	: 1.70
Works, tanks .....100 lb	...	: 1.60
40° domestic, 700 lb e/l f.a.s. wks. ....100 lb	...	: .80
Works, 1000 lb drs...100 lb	...	: .85
Works, tanks .....100 lb	...	: .75
Spot, drs, bbls .....100 lb	1.50	: 1.60
Silicofluoride, 450 lb bbls, NY. ....lb	.04 1/4	: .04 1/4
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls. e/l wks. ....lb	.03 1/4	: .04
Impl. 250 lb bbls....lb	.03 1/4	: .03 1/4
Sulfide, 60% solid, 650 lb drs. e/l wks. ....lb	.04	: .04 1/4
Dr. e/l wks. ....lb	...	: .03 1/4
Imp. 700 lb drs. NY. ....lb	...	
60% broken, 650 lb drs. wks. ....lb	.04	: .04 1/4
Imp. 500 lb drs. NY. ....lb	...	
30% crys. 440 lb bbls. wks. ....lb	.02 1/4	: .02 1/4
Imp. 400 lb bbls. ....lb	...	
Sulfite, crys. 400 lb bbls. wks. ....lb	.03 1/4	: .03 1/4
Anhydrous, 400 lb bbls. ....lb	.09 1/4	: .10
Sulfocarbonate, USP, 100 lb kegs. ....lb	.32	: .34
Sulfonylamine, 400 lb bbls. ....lb	.45	: .47
Tungstate, crys. 100 lb kegs. ....lb	.55	: .60
Anhydrous, kegs. ....lb	...	: .75
SOLVENT NAPHTHA, 110 gal.		
drs. wks. ....gal	...	: .30
8000 gal tank cars, wks. ....gal	...	: .25
Spartein Sulfate, USP, 250 lb bulk. ....os	.40	: .50
Single os. vial. ....os	...	: .57
Spirits Turpentine, bbls. ....gal	...	: .94
Sin. dist. ....gal	...	: .84
Spruce, 25% liquid tanks, wks.lb	.01	: .01 1/4
Powd. 50% 100 lb bags wks.lb	.02	: .02 1/4
Starch, rice, 140 lb bags.lb	.09	: .10



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Chemicals

STARCH , powd. 140 lb bags. c/l 100 lb	4.07	: 4.17	SULFUR	
Bags, 1c/l 100 lb	...	: 4.27	Crude, f.o.b. mines ton	14.00 : 15.00
Pearl, 140 lb bags. c/l 100 lb	...	: 3.97	Brimstone, 250 lb bags, c/l 100 lb	1.75 : 1.95
Bags, 1c/l 100 lb	...	: 4.17	Less c/l bags NY 100 lb	1.85 : 2.10
Potato domestic, 200 lb bags. lb	.05	: .05%	Roll, 200 lb bbls, c/l NY, 100 lb	2.20 : 2.45
Imported, bags duty paid. lb	.06%	: .07	Flour, Heavy, 290 lb bbls, 100 lb	2.50 : 3.05
Wheat, dom. lb	.06%	: .06%	Light, 100%, 260 lb bbls, 100 lb	2.60 : 3.15
Imp. lb	.06%	: .07	Rubbermaker, 100%, 240 lb	
Sol. Potato lb	.07	: .07%	bbls, NY 100 lb	2.50 : 3.30
Steamed Bone Meal, 3 & 50 Balton	27.00	: 27.30	Commercial, 99%, 150 lb bags.	
STRONTIUM Bromide, U.S.P., 50 lb			NY 100 lb	1.35 : 1.65
kegs lb	.51	: .52	For Dusting, 99%, 100 lb	
Carb. 600 lb bbls, wks. lb	...	: .01	bags, NY 100 lb	2.00 : 2.50
100 lb kegs, wks. lb	...	: .08	Flowers, 100%, 240 lb bbls.	
Iodide, U.S.P., 25 lb jars. lb	...	: 4.00	NY 100 lb	3.00 : 3.55
Nitrate, 600 lb bbls, wks. lb	.10	: 10%	Precipitated, 125 lb bbls NY. lb	.14 : .17
Imp., bbls, NY. lb	.09	: .09%	Lac, 125 lb bbls NY. lb	.07 : .10
Salicylate, U.S.P., 160 lb kegs. lb	.75	: .80	Sulfur Chloride, red, 700 lb drs.	
STRYCHNINE Alkaloid, U.S.P., crys.			wks. lb	.05% : .06
100 on tins. lb	...	: .81	150 lb chys., wks. lb	... : .07
Alk. powd., U.S.P. lb	...	: .71	Yellow, 700 lb drs. wks. lb	.04% : .05
Acetate lb	...	: .80	150 lb chys., wks. lb	... : .06
Glyceroephosphate, U.S.P. lb	...	: .80	Sulfur Dioxide, 100 lb cyl. lb	.08 : .08%
Hydrobromide lb	...	: .80	Iodide, U.S.P., VIII, 5 lb bot. lb	... : 4.55
Hydrochloride lb	...	: .80	Sulfuric Ether, see Ether	
Hydrophosphate lb	...	: .90	Sulfuryl Chloride, 600 lb drs. lb	.65 : .70
Nitrate, U.S.P. lb	...	: .80	Sumac, Liquid, 450 lb bbls. lb	.06 : .07%
Phosphate lb	...	: .80	Stainless, 600 lb bbls. lb	.11 : .12
Sulfate, U.S.P., crys. powd. lb	...	: .57%	Sumac, Sicily, 160 lb bags. ton	168.00 : 175.00
Saccharinide lb	...	: 1.92	Virginia, 150 lb bags. ton	55.00 : 60.00
Strychnine preparations quoted bases			Destructive, distilled, bbls. gal	.68 : 70
1000 lots in 100cc tins. Small sizes;			TALC, Italian, 220 lb bags. NY. ton	40.00 : 50.00
1/2oz vials, 50c extra; 1/4oz vials, 25c			Refined, white, bags. ton	50.00 : 55.00
extra; single ounce vials, 1c extra. Lots			French, 220 lb bags. NY. ton	30.00 : 35.00
of 25 cm. 5¢ higher than above			Refined, white, bags. ton	38.00 : 45.00
schedule. Lots of less than 25 cm.			Dom., crude, 100 lb bags. NY. ton	12.00 : 15.00
10¢ higher per oz.			Refined, 100 lb bags. NY. ton	16.00 : 18.00
Sugar Coloring (See Caramel)			Tankage, ground, NY. unit	... : 3.75
Sugar Milk, U.S.P., 200 lb bbls. lb	.21	: .21%	High grade, f.o.b. Chicago. 3.10 & 10	
Second Hands, U.S.P., bbls. lb	.19	: .30	Tapioca Flour, high grade bags. lb	.05% : .06
Sulfonamethane, see Sulfonamethane			Medium grade bags. lb	.04% : .05%
Sulfonamethylmethane, U.S.P., 10 lb bns. lb	2.85	: 4.05	Low grade bags. lb	.03% : .04%
Sulfonamethane, U.S.P., 10 lb bns. lb	2.65	: 3.85	High grade ton	32.00 : 40.00
			Talcum, Mixed, 900 lb drs. wks. lb	.31 : .32
			Tolidine, 350 lb bbls. lb	.90 : .94
			Sulfate, 350 lb bbls. lb	.80 : .85
			Toluene, 8000 gal. tank cars, wks. gal	... : .28
			110gal. drs. wks. gal	... : .81
			Toluidine, Mixed, 900 lb drs. wks. lb	.31 : .32
			Triacetin, 50 gal. drs. wks. lb	... : .37%
			Tri brom phenol, 100 lb cases. lb	... : 1.00
			Trimal, see Sulfonamethylmethane	
			Triphenylguanidines. U	.73 : .75
			Triphenyl Phosphate, 450 lb bns. lb	... : .55

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.08	
13.50	
18.50	
.27	
.34	
.55	
.50	
.57	
1.20	
1.85	
VANILLIN, USP, 500 oz. cans...os	... : .49 1/2
Cans, 80 ozm...os	... : .50
Cans, 16 ozm...os	... : .51
Second Hand...os	... : .50
Venetian Red...lb	... : .05
Verdigris, see Copper Subacetate	
Vermillion, Amer. 100 lb kegs...lb	.85 : .40
English, bags...lb	1.85 : 1.40
Veratrine Sulfate, 1oz vial...os	... : 1.85
Hydrochloride, 1oz vial...os	... : 1.85
Veronal, see Acid Diethylbarbituric	
Wattle Bark, bgs...ton	43.50 : nom.
WHITE LEAD, see lead, white	
White Precipitate, see mercury	
Whiting, 200 lb bags, c/l wks-ton	18.00 : 15.00
Bags, 1c/l NY...ton	... : 18.00
Gilders, bags, NY...ton	13.50 : 15.00
French, bags, NY...ton	... : 18.00
English, bags, NY...ton	21.00 : 23.00
Witch Hazel Extract, 50 gal. bbls.gal	1.00 : 1.05
Wood Turpentine, stm. dist. bbls.gal	.82 1/2 : .85
KYLENE, 30° dist range, nitration	
110 gal. drs. NY...gal	... : .50
5° dist. range, 800 gal. tanks	
wks...gal	... : .35
110 gal. drs. wks...gal	... : .35
10° dist. range, drums, wks...gal	... : .35
Tanks, wks...gal	... : .30
Commercial, 110 gal drs., wks.gal	... : .31
Tanks, wks...gal	... : .26
Ylidine	... : .42

YARA YARA, 1 lb tins	... : 1.80
Yohimbine Hydrochloride, 1 oz. vial...os	... : 4.50
Yolk Oil, bbls.	... : .35
ZINC, METAL, high grade, slabs	
e/l NY	100 lb
Common Slab, e/c/NY	... : 8.25
Common Slab, e/c/NY	100 lb
Moxy, 25 lb bxs NY...lb	7.92 1/2 : 7.95
Ammonium Chloride, powd., 400 lb bbls.	... : .14
Carb. tech., 150 lb kegs NY...lb	... : .14
USP, 100 lb kegs	... : .38
Chloride, fused, 600 lb drs. wks. Id	.06 1/2 : .07
Drs. c/l wks.	... : .06
Granulated, 500 lb bbls.wks.Id	.07 : .07 1/2
Imported, drs. NY...lb	.07 1/2 : .07 1/2
Solution, 50%, tanks whl100 lb	2.25 : 2.50
USP, 25 lb jars	... : .27
Cyanide, 100 lb drs.	... : .40
Dust, 100 lb tins, wks.	... : .10 1/2
500 lb bbls., kegs, e/l wks Id	... : .10 1/2
500 lb bbls., kegs, c/l wks. Id	... : .09 1/2
Iodide, 5 lb pots	... : .52 1/2
Nitrate, 25 lb jars	... : .45
Oxide, Amer. 300 lb bbls. wks. Id	.08 1/2 : .08 1/2
French, 300 lb bbls. wks. Id	.10 1/2 : .12 1/2
Bbl. c/l wks.	... : .09 1/2 : .11 1/2
Bags, e/l wks.	... : .09 1/2 : .10 1/2
USP 100 lb bbls. e/l	... : .20
Ton lots, wks.	... : .19 1/2
Imported, white seal, bbls.	... : .12
Green seal, bbls.	... : .10
USP 100 lb bbls.	... : .15 1/2 : .16
Stearate, USP, 50 lb bbls...lb	... : .20 : .20 1/2
Resales	... : .17 1/2 : .18
Sulfate, 400 lb bbls. wks.	.03 1/2 : .03 1/2
Bbls. e/l wks.	... : .03
USP, 100 lb kegs	... : .08 : .09
Sulfide, 500 lb bbls.	... : .30 : .33
Sulfocarbonate, 100 lb kegs...lb	... : .30 : .32
wks.	100 lb : 1.25 : 1.75
Zirconium, oxide, pure	... : .45 : .50
Semi-ref'd. bgs.	... : .08 : .10
Natural, bgs.	... : .02 1/2 : .03

Oils - Fats

Castor, No. 1, 400 lb bbls.	... : 1.7 1/2 : .18
80 lb cases	... : 1.8 1/2
No. 3, bbls.	... : 1.7 : 1.7 1/2
Blown, 400 lb bbls.	... : .19
China Wood, bbls. spot NY...lb	... : 1.3 1/2 : .14
Tanks, Spot, NY	... : .18
Fed. forw. arr. NY bbls.	... : .14
Cst. tks., Feb. forw.	... : .12
Coconut, Ceylon, 375 lb bbls.NY, Id	.10 : .10 1/2
8000 gal. tanks, NY	... : .09 1/2
Cochin, 375 lb bbls., NY	... : .11 : .11 1/2
Tanks, NY	... : .10 : .10 1/2
Malta, bbls., NY	... : .10 1/2 : .10 1/2
Tanks, Pacific Coast	... : .08 1/2 : .09
Edible, bbls., NY	... : .13 1/2 : .13
Cod Newfoundland, 50 gal. bbls.gal	.62 : .65
Tanks, NY	... : .55 : .57
Cod Liver, see Cod Liver Oil under Chemicals	
Copra, bags	... : .06 : .06 1/2
Corn, ref. 375 lb bbls. NY	... : .12 1/2
Crude, tanks mills	... : .09 : .09 1/2
Bbls., NY	... : .11 : .12
Cottonseed, crude, tks., mill...	... : .08 1/2 : .09
P. S. Y., 100 bbls., NY	... : .10 1/2 : .10 1/2
White, 100 bbls. lots, NY	... : .13 : .13 1/2
Winter yellow, 100 bbls., NY	... : .13 : .13 1/2
Degras, Amer. 50 gal. bbls., NY	... : .04 1/2 : .04 1/2
English, light, bbls., NY	... : .04 : .04 1/2
Brown, bbls., NY	... : .04 : .04 1/2
Light brown, bbls., NY	... : .04 1/2 : .05
Dark, bbls., NY	... : .03 1/2 : .04
Neutral, bbls., NY	... : .10 : Nom.
Moellon, bbls., NY	... : .50
Greases choice white, bbls. NY	... : .11 : .11 1/2
Yellow	... : .08 1/2 : .08 1/2
Brown	... : .08 1/2 : .08 1/2
Home	... : .08 1/2 : .08 1/2
Bone naphtha	... : .07



COLUMBIA BRAND

Columbia Chemical Division,
Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda
All Tests
Soda Ash

Dense-Light
Granular if Desired

Sole Selling Agents

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(SODIUM THIOSULFATE)
BELLEVILLE, NEW JERSEY

Oils - Fat

Herring, Tanks, Coast	.gal		Nom.	Palm Kernel, bbls., NY	.lb	.10	: .10%
Horse, 375 lb bbls., NY	.lb		Nom.	Peanut, refined, bbls., NY	.lb	.14	: .15
Lard, prime steam, bbls.	.lb	.15%		Crude, mala tapers, lbs.	.lb		
Compounds, bbls.	.lb			Crude, bbls., NY	.lb		
LARD OIL, Edible, prime, bbls.	.lb			Perilla, bbls., NY	.lb		
Off prime, bbls.	.lb				.lb	.15%	: nom.
Extra, bbls.	.lb			Pepysseed, bbls., NY	.gal	2.25	: 2.50
Extra, No. 1, bbls.	.lb			Rapeseed, refined, bbls., NY	.gal	.92	: .98
No. 1, bbls.	.lb			Blown, bbls., NY	.gal		
No. 2, bbls.	.lb			Ed Oil, distilled, bbls.	.lb		
LINSEED, raw, c/l bbls, spot	.gal			Saponified, bbls.	.lb		
Five bbls, raw	.gal			Tanks	.lb		
Tanks, raw	.gal			Salmon, 8000 gal the Coast	.gal		
Bottled, 5 bbl. lots	.gal			Sesame, edible, bbls.	.lb	.14½	: .15
Double Bottled, 5 bbl. lots	.gal			seed Oil, bbls., NY	.gal		
Feb., c/l wks.	.gal			SOYA BEAN, crude, tks., Coast	.lb		
Mar., Apr., c/l wks.	.gal			Crude, tks., NY	.lb		
May-Aug., c/l wks.	.gal			Refined, bbls., NY	.lb	.18%	: .14
Imported, bbls., NY	.gal			Sperm, 38° c.t. blchd. bbls., NY	.gal		
Tanks, NY	.gal			45° cold test, blchd. bbls., NY	.gal		
Messenden, crude, bbls., wks.	.lb			STEARIC ACID, s.p. 200 lb bags	.lb		
Crude, tanks, Balt.	.gal			Double pressed, bags	.lb		
Light strained, bbls., NY	.gal	.80		Double pressed, bags	.lb	.14%	: .14%
Yellow, bleached, bbls., NY	.gal	.83		Double pressed, bags, saponified	.lb	.14%	: .14%
Extra bleached, bbls., NY	.gal	.85		Triple pressed, bags, distilled	.lb	.16%	: .17
Blown, bbls., NY	.lb			Triple pressed, bags, saponified	.lb	.16%	: .17
Neatsfoot, 20° c.t. bbls., NY	.lb			Stearine, oleo, bbls.	.lb	.10%	: .10%
Pure, bbls., NY	.lb			Tallow, edible, tapers	.lb		
Extra, bbls., NY	.lb			City, extra loose	.lb		
No. 1, bbls., NY	.lb			Tallow Oil, acidless tks., NY	.lb		
Ole Oil, No. 1, bbls., NY	.lb			Ebba, c/l NY	.lb		
No. 2, bbls., NY	.lb			Walnut, crude bbls., NY	.lb		
No. 3, bbls., NY	.lb			Whale, nat winter bbls., NY	.gal		
OLIVE, denatured, bbls., NY	.gal	1.30		Richd. winter bbls., NY	.gal		
Edible, bbls., NY	.gal	2.00		Extra Richd. bbls., NY	.gal		
Foots, bbls., NY	.lb	.09½		Crude, No. 1, tanks Coast	.gal		
Shipments, new crop	.lb	.09%		Crude, No. 2, tanks Coast	.gal		
Palm Lagan, 1500 lb cases	.lb	.09½		Crude, No. 3, tanks Coast	.gal		
Niger, casings	.lb	.08½					
Bonny old Calabar, casings	.lb	.08%					

Crude Drugs

Acetodes Gum, rel.	.lb	.18	: .10
ACONITE LEAVES, bales	.lb	.10	: .11
Root, USP, bags	.lb	.38	: .85
Agar Agar, 1, 200 lb bales	.lb	1.75	: .18
No. 2, bales	.lb		: 1.70
No. 3, bales	.lb		: 1.55
Agaric, white, cases	.lb	2.75	: 3.00
Granulated, boxes	.lb	3.25	: 3.40
Almonds, bitter, boxes	.lb	.60	: .85
Sweet, boxes	.lb	.57	: .80
Meal, barrels, boxes	.lb	.24	: .25
Aletria Root, bags	.lb	.40	: .42
Alkanet Root, bags	.lb	.08½	: .09
Aloë, Barbadoes, 120 lb bbls.	.lb	.65	: .70
Cape, 400 lb cases	.lb	.08	: .09
Curacao, 100 lb cases	.lb	.10	: .11
Socotrine, whole, 300 lb cases	.lb	.23	: .27
Select, cases	.lb	.34	: .36
Althea Root, cases	.lb	.45	: .50
Whole, bags	.lb	.22	: .24
Ambergis, black, boxes	.lb	8.00	: 10.00
Grey, boxes	.lb		: 26.00
Ammoniac, tears, bags	.lb	.65	: .70
Angelica Root, dom. bags	.lb	.13	: .14
Angostura Bark, bags	.lb		
Anise, Levant bags	.lb	.15	: .16
Rusdan, bags	.lb	.13	: .14
Star, cases	.lb		: 1.35
Spanish, bags	.lb		: 1.15
Annatto Seed, 200 lb bags	.lb	.30	: .31
ARABIC GUM.			
White, No. 1, 200 lb bags	.lb	.26	: .27
Seconds, 250 lb bags	.lb	.24	: .25
Sorts, amber, 200 bgs. bbls.	.lb	.13½	: .13½
Powd. USP, 300 lb bbls.	.lb	.18	: .20
Arcen Nuts, 150 lb bags	.lb	.17½	: .18½
Powd. 200 lb bbls.	.lb	.30	: .32
Argols, Red, bbls.	.lb	.05%	: .06%
Arnica Flowers, bales	.lb	.10	: .11
Root, bags	.lb	.28	: .30

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New York

Bicarbonate of Soda
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Monohydrate of Soda

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Special quality for tablet makers. Technical for fumigation, deodorizing, etc.

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La Salle, Illinois

New York Representative
T. J. PARKER, INC.; 132 FRONT STREET

Crude Drugs

Arrowroot, Amer., pwt. bbls....	lb .10%	.11
Bermuda, bbls.....	lb .....	..
St. Vincent, pwt., bbls....	lb .18	.14
Astafetida, USP, 250 lb cases....	lb .28	.25
Powd., 50 lb bxs....	lb .38	.40
GALM GILEAD BUDS, bags....	lb .45	.50
Balmor Herts, bales.....	lb .....	.14
SALSAMS		
Copalba, Para, 80 lb cs....	lb .55	.57
South American, 80 lb cs....	lb .60	.62
Fir Canada, cans.....	lb 10.75	11.00
Oregon, bbls., cans.....	lb .95	1.00
Peru, 120 lb cases.....	lb 1.90	2.00
Tola, 120 lb cases.....	lb 1.60	1.70
Bamboo Brier Root, bags.....	lb .05%	.06
Barberry Bark, tree bales....	lb .11	.13
Root, bags.....	lb .35	.37
Bayberry Bark, bales.....	lb .10	.12
Wax, bbls.....	lb .21	.22
Belladonna Leaves, bales.....	lb .25	.26
Root, bags.....	lb .17	.18
Bee Wax, white, cases.....	lb .49	.51
Yellow, refined, cases.....	lb .39	.41
Crude, bags.....	lb .37	.38
Benzoin Gum, Siam, boxes....	lb 1.30	1.35
Sumatra, 80 lb boxes....	lb .24	.25
Berberis Aquifolium Root, bags....	lb .12	.13
Beth Root, bags.....	lb .24	.26
Bitter Root, 100 lb bags....	lb .40	.42
Blackhaw Bark, root, bales....	lb .38	.34
Tree, bales.....	lb .15	.16
Blood Root, bags.....	lb .13	.14
Bluing Root, bags.....	lb .28	.30
Boldo Leaves, bales.....	lb .20	.21
Bonnet Herb, bales.....	lb .07	.08
Leaves, bales.....	lb .09	.11
Borage Flowers, bales.....	lb .17	.20
Bryonia Root, bags.....	lb .09	.10
Black Indian Root, 100 lb bags....	lb .40	.42
SUCHU LEAVES, short, 250 lb		
bales.....	lb .80	.82
Long, bales.....	lb .86	.88
Eckbean Leaves, bales.....	lb .07%	.08
Buckthorn Bark, bags.....	lb .07	.08
Burdock Root, bags.....	lb .11	.14
Burgundy Pitch, dom., 110 lb stands		
Grose for net.....	lb .05	.06
Imported.....	lb .10	.11
Calabar Beans, bags.....	lb	
Calamus Root, bleached, cases....	lb .33	.35
Unbleached, bags.....	lb .06	.07
Calendula Urtica, imp., bales....	lb .23	.30
Calisaya Bark, bales, powd....	lb .25	.26
Camphor, see Chemicals		
Canary Seed, Morocco bags....	lb .07%	.08
Spanish, bags.....	lb .07%	.08
South American bags.....	lb	
Candellilla Wax, bags.....	lb .30	.32
Canella Alba Bark, bales....	lb .53	.55
Cannabis, true Imp., bags.....	lb	
American (no assay) bales....	lb .80	.40
USP.....	lb .45	.60
Cantharides, Chinese cases.....	lb .95	1.00
Powdered, boxes.....	lb 1.15	1.20
Cantharides, Russian, cases.....	lb .85	.90
Powdered, boxes.....	lb 1.00	1.10
Caraway Seed, African, bags.....	lb .09	.10
Dutch, 11 lb bags.....	lb .09%	.10
Cardamom, bleached, cases....	lb 2.50	2.70
Desertified, cases.....	lb .25	.40
Green, grinding, bags.....	lb 1.80	1.70
Carnauba Wax, Flor. bags.....	lb .39	.42
No. 1, N County bags.....	lb .34	.36
No. 2 N County bags.....	lb .32	.34
No. 3 N County bags.....	lb .27	.28
No. 3 Fatty Gray, bags.....	lb .28	.30
No. 3 Chalky, bags.....	lb .28	.30
Cascara Amarga, 150 lb bales....	lb 1.25	1.50
So-called, bales.....	lb .50	.52
Cascara Sagrada, bales,		
1920-22 bark.....	lb .26	.28
1923 bark.....	lb .21	.24
1924 bark.....	lb .14	.15
Caesaria Bark, quills bales....	lb	
Shiftings, bbls.....	lb	
Cassia Batavia, No. 1, bales....	lb .11	.11%
Shortstick, bales.....	lb .09%	.09%
Cassia Batavia, No. 3, bales....	lb .09	.09%
China, select, rolls, cases....	lb .11%	.11%
Broken, bales.....	lb .07	.07%
Buds, cases.....	lb .14	.16
Canda Flutela, baskets.....	lb .08	.09
Castile Soap, USP, powd., 200 lb		
bals.....	lb .27	.28
Castor Beans, bags.....	lb .08	.08%
Castoreum, 1 lb bot.....	lb 4.00	4.50
Caterhu Gum, bags.....	lb .11	.12
Prickly Ash Berries, bags.....	lb .20	.22
Catnip Herb, bales.....	lb .33	.36
Celery Seed, bales.....	lb .33	.35
Ceresin Wax, white, bags.....	lb .10%	.10%
Yellow, 200 lb bags.....	lb .09	.10
CHAMOMILE FLOWERS, Roman		
case bales.....	lb .18	.21
Hung. case bales.....	lb .07%	.08
Charcoal, Willow, powd. bbls.....	lb .06	.06%
Wood, powd. bbls.....	lb .04	.04
Chestnut Bark, bags.....	lb .07	.08
Herb, bales.....	lb .06	.06%
Chicle Gum, bags.....	lb .82	.85
Chitteta, bales.....	lb .10	.13
Cinchona Bark, red quills bales....	lb .60	.62
Broken, has.....	lb .28	.29
Cinnamon, Ceylon, No. 1, bales....	lb .41	.42
No. 2, bales.....	lb .38	.39
No. 3, bales.....	lb .36	.38
Civet, Abyssin horn.....	lb 2.75	3.75
Clover Tops, bags.....	lb .17	.18
Cloves, Zanzibar, 135 lb bales....	lb .25%	.26
Amboynas, bales.....	lb .38	.40
Penang, bales.....	lb .40	.42
Cochineal, USP, boxes.....	lb .45	.47
Coca Leaves, Huancoco bags.....	lb	
Truxillo, bags.....	lb	
Cohosh Root, Black bags.....	lb .08	.08%
Blue, bags.....	lb .09	.09%
Colechicum Root, bags.....	lb .06	.07
Seed, bags.....	lb .15	.17
Colocynth, apples, cases, bales....	lb	
Pulp, USP, bales.....	lb .23	.25

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90 to 98% Potassium Chloride

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NEW YORK CITY

[FEBRUARY 25, 1925]

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Colemb Root, whole bags	lb .03%	.04	Elecampane Root, bags	lb .08	.09
Coldfoot Leaves, bags	lb .06	.07	Kidney Flowers, bags	lb .10	.13
Comfrey Root, bags	lb .13	.14	Elephant Gum, 89 lb cases	lb .10	.11
Condurango Bark, bales	lb .12%	.13	Elm Bark, select 5 lb bundles cases	lb .26	.27
Conium Herb, bags	lb .12	.14	Grinding, bags	lb .16	.17
Conium Seed, bags	lb .11	.12	Powdered, bbls.	lb .23	.25
Copal Gum	lb .12	.13	ERGOT, 150 200 lb bags	lb .53	.55
Coriander Seed, Bombay bags	lb .05	.05%	Eucalyptus Leaves, bales	lb .05	.05%
Morocco, bags	lb .05	.05%	Euphorbia Pilulifera Herb, bags	lb .09%	.10
Bleached, bags	lb .10%	.11	Euphorbium Gum, cases	lb .25	.27
Coral Silk, bales	lb .04%	.05%	Powdered boxes	lb .40	.42
Cotton Root Bark, bales	lb .12	.13	Fennel Seed, French, bags	lb .10	.10%
Cowage, or, tim	lb ...	.55	German, bags	lb .15	.16
Cramb Bark, so called bales	lb .06%	.07	Indian, bags	lb .08%	.09
True, bags	lb .28	.30	Flax Seed, whole, 180 lb bbls.	lb 15.00	15.25
Cranesbill Root, bags	lb .09	.10	Ground, 180 lb bbls.	lb .07%	.08
GUBBS BERRIES, XX bags	lb .63	.68	Fenugreen Seed, 200 lb bags	lb .04%	.05
Powdered, bags	lb .65	.67	Fish Berries, 100-125 lb bags	lb .10	.12
Cultured Root, bags	lb .21	.22	Fringe Tree Bark, bags	lb .23	.25
Cuspid Seed, Levant bags	lb .17	.18	Fumigating Pastilles Black, 1 lb boxes	lb ...	...
Malta, bags	lb .17	.17½	Red, 1 lb boxes	lb ...	...
Morocco, bags	lb ...	...	GALANGAL ROOT, bags	lb .09	.10
Cuttledash Bone, Trieste straps	lb .13%	.14	Galanum Gum, cans	lb .80	.85
Jewelers large, straps	lb ...	...	Gambier Gum, bags	lb .18	.19
Small, straps	lb .50	.50	Gamboge Root, 160 lb cases	lb .76	.77
French, straps	lb .19%	.14	Powdered, cases	lb .85	.87
Powdered, boxes	lb .14	.15	Gelactonium Root, bags	lb .11	.11½
Broken, boxes	lb ...	.07	Gentian Root, bags	lb .08	.08%
Damar Gum, 136 lb cases	lb .27	.28	Ground, bbls., boxes	lb .12	.13
Daniana Leaves, bales	lb .60	.70	Powdered, boxes	lb .13	.14
Dandelion Root, Imp., bags	lb .21	.22	Ginger, African, bags	lb .18	.19
Deer Tongue Leaves, bales	lb .08%	.09	Jamaica, grinding, bags, bbls.	lb .26	.32
Digitalis Leaves, bales	lb .09	.10	Japan, bags	lb .24	.25
Dill Seed, bags	lb .06	.07	Honeys Root, cultivated, bags	lb 8.00	10.00
Cleaned, bags	lb .08%	.09	Northwestern Wild, bags	lb 12.00	14.00
Dogwood Bark, Jamaica, bags	lb .09%	.10	Southern Wild, bags	lb 8.50	10.00
American, bags	lb .07	.08	Golden Seal Root, bags	lb 4.10	4.15
Doggrass Root, USP, cut bags	lb .10	.11	Powdered, boxes	lb 4.20	4.30
Dragons Blood, mass cases	lb .70	.75	Grains of Paradise, bags	lb .14	.15
Reeds, boxes	lb .75	.80	Grindelia Robusta Herb, bales	lb .09	.09½
ECHINACEA ROOT, bags	lb .31	.32			

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Crude Drugs

Kava Kava Root, bags.....	lb .19	: .20
Kino Gum, black cases.....	lb .50	: .55
Kola Nuts, 150 lb bags.....	lb .04 1/2	: .05
Kousso Flowers, bags.....	lb 1.50	: 1.75
LADY SLIPPER ROOT, bags.....	lb .50	: .55
Larissur Seed, bags.....	lb 3.25	: 3.50
Laurel Leaves, bales.....	lb .04	: .04 1/2
Lavender Flowers, ordinary.....	lb .23	: .24
Selected.....	lb .28	: .38
Leeches, tubes.....	Per 100	3.20 : 3.75
Lemon Peel, bags.....	lb .08 1/2	: .09
Licorice Root, Russian, whole.....	lb .07	: .07 1/2
Spaniard, natural bales.....	lb .08 1/2	: .09
Powdered, bbls.....	lb .09	: .09 1/2
Selected, 2 & 5 lb bundles.....	lb .13	: .18
Cuttings, 125 lb bags.....	lb .06 1/2	: .07
Turkish, 150 lb bales.....	lb .03	: .03 1/2
life Everlasting Herbs, bales.....	lb .05	: .06
Lime Juice, clarified blis.....	gal .60	: .65
Linden Flowers with leaves, bales.....	lb .09 1/2	: .10
Without Leaves, bales.....	lb .18	: .20
Liverworts, bales.....	lb .17	: .19
Lobelia Herb, bales.....	lb .62	: .65
Lobelia Seed, bags.....	lb .55	: .60
Louge Root, Imported, bags.....	lb .18	: .20
Laurel Berries, bags.....	lb .10	: .11
Leaves, Greek, bales.....	lb .04 1/2	: .05
Italian, bales.....	lb .04 1/2	: .05 1/2
American, bales.....	lb .25	: .35
Lycopodium, N. F. tins.....	lb 1.55	: 1.60
MACE, Slawry, No. 1.....	lb .75	: .80
Bands, No. 1 cases.....	lb 1.00	: 1.05
Batavia, No. 2, cases.....	lb .88	: .88
West India, cases.....	lb .88	: .88
Malva Flowers, blue bales.....	lb .32	: .34
Black, bales.....	lb .55	: .60
Mannex Root, bales.....	lb .17	: .28
Manna, large flake, cases.....	lb .78	: .80
Small flake, cases.....	lb .43	: .45
Soot, cases.....	lb	: .30
Mandrake Root, bags.....	lb .11	: .12
Marjoram Leaves, German, bales.....	lb .33	: .35
African, bales.....	lb	: ...
Marjoram Leaves, French, bales.....	lb .35	: .37
Chilian, bales.....	lb .30	: .31
Mastic Gum, 120 lb cans.....	lb .55	: .57
Matico Leaves, bales.....	lb .12	: .13
Mezereon Bark, bags.....	lb .11	: .12
Millet Seed, dom. yellow bags.....	lb .03 1/2	: .04
Montan Wax, crude bags.....	lb .05 1/2	: .06
Bleached.....	lb	: ...
Moss, Iceland, bales.....	lb .08	: .09
Irish, bleached, bales.....	lb .08	: .09
Select, bales.....	lb .12	: .13
Mullen Flowers, tins.....	lb 1.00	: 1.10
Musk, pods, Cabardine, tins.....	oz 16.00	: 17.00
Tonquin.....	oz 22.00	: 25.00
Grain Cab.....	oz 25.00	: 26.00
Tonquin.....	oz 35.00	: 38.00
Synthetic, see Chemicals	lb	: ...
Musk Root, Russian, bags.....	lb 2.00	: 2.20
Mustard Seed Bari brown bags.....	lb .12 1/2	: .12 1/2
Bombay, brown.....	lb .09	: .10
California, brown.....	lb .11 1/2	: .12
Yellow.....	lb	: 11 1/2
Chinese, yellow.....	lb .06 1/2	: .06 1/2
English, yellow.....	lb .09 1/2	: .10
Dutch, yellow.....	lb .08 1/2	: .08 1/2
Danish, yellow.....	lb .08 1/2	: .08 1/2
Myrrh Gum, select, 200 lb cs.....	lb .23	: .25
Sorbs, cases.....	lb .20	: .24
NUTGALLS, Chinese, bags.....	lb .17	: .18
Aleppy, bags.....	lb .14	: .15
Nutmegs, 110s cases.....	lb .55	: .57
75s, 80s, cases.....	lb .59	: .61
Grinding, bags.....	lb .48	: .50
Nux Vomica Buttons, bags.....	lb .04 1/2	: .05
Powdered, 200 lb bbls.....	lb .08	: .09
OAK BARK, red bags.....	lb .05	: .06
White, bags.....	lb .06	: .07
Olibanum Gum, sift 280 lb cases.....	lb .11	: 11 1/2
Tears, 280 lb cases.....	lb .11	: 11 1/2
No. 1, al white, 280 lb cases.....	lb .22	: .23
Opium, gum, USP, cases.....	lb 12.00	: 13.00
Granular, cans.....	lb 13.00	: 14.00
Powdered, USP, cans.....	lb 13.00	: 14.00
Orange Flowers, cases.....	lb .30	: 1.25
Orange Peel, bitter, bags.....	lb .07 1/2	: .08
Sweet, bags.....	lb .11	: 11 1/2
ORRIS ROOT, Florentine bold bags, lb.....	.09	: .10
Powdered, 200 lb bbls, lb.....	.12	: .13
Verona, bags.....	lb .07	: .08
Powdered, 200 lb bbls, lb.....	.11	: .12
Fingers, cans.....	lb .58	: .60
Ozokerite Wax, brown hard bags, lb.....	.24	: .25
Green, hard bags.....	lb .26	: .29
Refined, yellow, bags.....	lb	: ...
PAPRIKA, bags.....	lb .18	: .24
Hungarian.....	lb .26	: .27
Parreira Brava Root, bags.....	lb .11	: .12
Parsley Seed, bags.....	lb .17	: .18
Patchouli, Leaves, bales.....	lb .16	: .18
Peltier Root, bales.....	lb .24	: .26
Pepper, black, Sing, bags.....	lb .14 1/2	: .15
White, bags.....	lb .22 1/2	: .23
Aleppy, bags.....	lb .14	: 14 1/2
Lampong, bags.....	lb .13	: 13 1/2
Tellecherry, bags.....	lb .14 1/2	: .15
Muntock, bags.....	lb .23	: .23 1/2
Red Chillies, Japan No. 1, bags, lb.....	.21	: .21 1/2
Mombasa, bags.....	lb .10	: .10 1/2
Taly, bags.....	lb .13	: 13 1/2
Capsicum, Bomby, bags, lb.....	lb .11 1/2	: .12
Peppermint Leaves, Imp. bales.....	lb .18	: .22
Cuts, baled.....	lb .12	: .14
Domestic leaf.....	lb .18	: .19
Peru Balsam, see Balsams	lb	: ...
Pitchi Leaves, bags.....	lb .22	: .24
Pimento, select bags.....	lb .09 1/2	: .09 1/2
Pink Root, true bag.....	lb .70	: .75
Pitch, Burmung, see Burmung Pitch	lb	: ...
Piauain Leaves, bales.....	lb	: .15
Pleurisy Root, bags.....	lb	: .23
Poke Berries, bags.....	lb .08	: .09
Pomegranate Bark, of root, bags, lb.....	lb	: .30
Or Fruit, bags.....	lb	: .30
Of Tree.....	lb	: .30
Poppy Flowers, red bags.....	lb .25	: .27

20

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Poppy Seeds, Dutch, bags.....	D .09%	: .10	Savory Leaves, bales	D .08 :	.08½	Spruce Gum, boxes	D 1.00 :	1.50
German, bags	D .09%	: .10	Saw Palmetto Berries, bags.....	D .09 :	.09½	Squaw Vine, bales	D .16 :	.17
Turkish, bags	D .08½ :	.09	Scammony Root, boxes	D 1.20 :	1.80	Squilla, white	D .04 :	.05
Blue Indian, bags	D .08½ :	.09	Scammony Root, bags	D .06½ :	.07	Powdered, bulk	D .12 :	.14
White Indian, bags	D .08 :	.08½	Senega Root, bags	D .07 :	.09	Stevensore Seed, bags	D .38 :	.40
Prickly Ash Bark, Southern, bags D .20	:	.23	SENNNA, Alex 150 lb cases.....	D .23 :	.23	Sticklac, Slan, 250 lb bales.....	D .46 :	.48
Northern, bags	D .11 :	.12	Half Leaf, 350 lb bales.....	D .18 :	.15	Stillingia Root, bags	D .11½ :	.12
Prickly Ash Berries, bags.....	D .14 :	.16	Sliftings, 400 lb bales	D .10 :	.11	Stone Root, bags	D .09 :	.10
Prince's Pine, bales	D .20 :	.25	Powdered, 200 lb bbls	D .14 :	.14½	St. Ignatius Beans, bags	D .12 :	.13
Pulettilla Herb, bags	D .18 :	.14	Tinnevelly, Bold, 350 lb bbls. D .14 :	.17	St. John's Bread, bags	D .08 :	.09	
Pumpkin Seed, bags	D .20 :	.23	Medium Leaf	D .11 :	.14	Stramonium Leaves, bales	D .07½ :	.08
QUASSIA CHIPS, bags	D .06% :	.07	Small Leaf	D .08 :	.11	Strammonium Seed, bags	D .10 :	.11
Queen of the Meadow Herb, bags. D .	...	.06	Powdered, 200 lb bbls.....	D .08½ :	.09	Syphonanthus Seed, Hirsipidus	D .12 :	...
Quince Seed, bags	D .18 :	.95	Pods, 350 lb bales	D .14 :	.15	Kambe, bags	D 1.25 :	.30
RAPE SEED, South Amer. bags ..	D .06 :	.06½	Serpentaria Root, bags	D .09 :	.09	Styrax, Liquid artif.	D .35 :	.45
Dutch, bags	D .06% :	.07	Shells, D. C., bags	D .78 :	.79	Gen. USP.	D .60 :	.70
Japanese, small, bags	D .06 :	.06½	V.S.O. bags	D .78 :	.79	Sunflower Seed, domestic bags...D .06 :	.06½	
Raspberries, dried boxes	D .60 :	.62	Diamond I. bags	D .78 :	.79	South American, bags	D .05½ :	.06
Red Saunders	D .17 :	.19	Superfine, Orange, bags	D .64 :	.65	TAGALDER BARK, bags	D .05 :	.06
Rhatany Root, bags	D .09 :	.10	Fine, bags	D .63 :	.64	Tamarinds, bbls.	D .05 :	.05½
RHUBARB, Root, H.D., cases..D .33	:	.35	T.N., bags	D .60 :	.61	Kegs	D 2.50 :	.75
Powdered, 200 lb bags	D .38 :	.40	Garnet, A. C.	D .59 :	.60	Tansy, Herb, bales	D .18 :	.19
Rosemary Leaves, bales	D .04 :	.04½	Button bags	D .76 :	.78	Tar, Barbados, 50 gal. bbls....gal	D 1.40 :	.50
Rosemary Flowers, cases bales..D .38	:	.34	Bleached, ground, bbls	D .56 :	.58	Thun Gun, 280 lb bbls.....	D .07½ :	.08
Rose Petals, pale	D .27 :	.30	Bone Dry, bbls	D .68 :	.70	Thyme, Spanish bales	D .07 :	.08
Red	D .09 :	1.00	Sideritis Herb, cut bags	D .15 :	.18	French, bales	D .11 :	.11½
Rue Herb, bales	D .18 :	.20	Simaruba Root, bales	D .07 :	.08	Tilia, see Linden		
SABADILLA SEED, bags	D .18½ :	.15	Skunk Cabbage Root, bales	D .54 :	.56	Tolu Balsam, See Balsams		
Powder, bbls.	D .19 :	.20	Western, bales	D .28 :	.30	Tonga Bark, bags	D .30 :	.33
Saffron Flowers, Amer. bales..D .60	:	.64	Slow Berries, bags	D .14 :	.17	Tonka Beans, Angostura, cases..D .2.15 :	.22.5	
Valenda, 1 lb cans	D 39.00	40.00	Snake Root, Canada natural, bags. D .34 :	.35	Para, cases	D .90 :	1.00	
Sage, Dalmatian, bales	D .05 :	.05½	Striped, bags	D .50 :	.55	Surinam, cases	D ... :	...
Greek, bales	D .04 :	.04½	SOAP BARK, whole, 150-200 lb		Tragacanth Gum, No. 1, ribbon			
Spanish, bales	D .03 :	.03½	bales	D .09 :	.10	180 lb ca	D 1.30 :	.35
Sandalwood, chips, bags	D .18 :	.19	Cut, 125-175 lb bags	D .09½ :	.10	No. 2 to No. 6, cases	D .05 :	.18
Ground, bags	D .21 :	.22	Crushed, 200 lb bbls	D .10 :	.11	Powdered, 50 lb boxes	D .82 :	.85
Sandarac Gum, 300 lb bbls..D .43	:	.45	Powdered, 200 lb bbls	D .13 :	.14	Turkish, cases	D .70 :	.85
Sarsaparilla Root, Honduras, bales.D .68	:	.70	Spearmint Leaves, American bales. D .15 :	.22				
Mexican	D .19 :	.21	Spermacti, blocks, cakes, case. D .38 :	.45				
Sassafras Bark, ordinary bales..D .15 :	:	.17	Spikenard Root, bags	D .20 :	.23			
Select, bales	D .28 :	.30						

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Turmeric Root, Madras bags...	lb.	.13%	.13%
Aleppo, bags	lb.	.11%	.11%
Powdered	lb.	.14%	.15
China, bags	lb.	.09	.09%
Turpentine, Venice, true 80 lb. cs...lb.	lb.	.22	.23
Artificial, 80 lb. cases	lb.	.11	.18
Spirits, see Naval Stores			
UNICORN ROOT, false, see Heloni			
True, see Aletria			
Uva Ursi Leaves, bales	lb.	.05	.05%
VALERIAN ROOT, Belgian bags...lb.	lb.	.20	.23
Vanilla Beans, Mex. whole cases...lb.	lb.	11.00	.00 : 13.00
Cuts, cases	lb.	9.50	.00 : 10.00
Bourbon, cases	lb.	9.50	.00 : 10.00
South American, cases	lb.	9.00	.00 : 9.50
Tahiti, yellow label cases...lb.	lb.	8.00	.00 : 8.25
Green Label, cases.....	lb.		
Vetiver Root, 100 lb. bags.....	lb.	.25	.26
Violet Flowers, bags	lb.	.80	.95
WAHOO BARK, of root bags...lb.	lb.	.80	.85
Of Tree bags	lb.	.35	.37
White Pine Bark, rosed, bags...lb.	lb.	.07½	.08
Wild Poplar Bark, bags.....	lb.	.06	.07
Wild Cherry Bark, thin green Rosined, bales	lb.	.12	.13
Thick Rosined, bales	lb.	.07	.08
Thin Natural, bales	lb.	.09	.09%
Thick Natural, bales	lb.	.05	.06
Willow bark, bags	lb.		.06
White, bags	lb.		.15
Witch Hazel Bark, bags	lb.	.08	.09
Witch Hazel Leaves, bales	lb.	.07½	.07%
Worm Seed, American, bags	lb.	.08	.08%
Lavant, bags	lb.	2.75	.00 : 3.00
Wormwood Herb, imported bales..lb.	lb.		.10
Yucca Gum, red	lb.	.04	.04%
Ground	lb.	.05%	.06%
YELLOW DOCK ROOT, bags...lb.	lb.	.12	.14
Yellow Parilla Root, bags...lb.	lb.	.16	.17
Yerba Santa, bags	lb.	.09	.09%
Zedoary Root, bags.....	lb.	.11	.12

Essential Oils

Almond, Bitter, USP, 5lb bot...lb.	lb.	3.15	.325
Bitter ff PA 5lb bots.....lb.	lb.	3.25	.350
Sweet, 56lb cans	lb.	.80	.85
Peach Kernel, 55lb tins.....lb.	lb.	.28	.30
Apricot, see Peach Kernel			
Amber, crude, 25lb tins.....lb.	lb.	.70	.75
Rectified, 25lb tins.....lb.	lb.	.85	.90
Angelica Root, 1lb bot.....lb.	lb.	28.00	.00 : 30.00
ANISE, Tech., 60lb case.....lb.	lb.	.55	.57
USP, 50lb tins	lb.	.60	.62
Bay, 25lb tins	lb.	2.20	.230
Terpenes	lb.	6.00	.650
Bergamot, 25lb express	lb.	3.65	.400
Terpenes	lb.	12.00	.1250
Artificial, 25lb cans	lb.	2.10	.220
Birch Tar, rect. 5lb bot.....lb.	lb.	.75	.80
Crude, 50lb tins	lb.	.30	.35
Bois de Rose, 25lb tins	lb.	4.75	.500
Cade, 25lb cans	lb.	.30	.35
Cajuput, native, 50lb tins	lb.	.75	.80
Calamus, 5lb bot.....lb.	lb.	3.75	.400
Camphor, heavy, 1000 lb. drums...lb.	lb.	.14	.14%
Japanese, white, 72lb cases...lb.	lb.	.12	.12
White, 1000 lb. drums	lb.	11.4	.12
Cananga, native, 25lb cans	lb.	2.20	.230
Rectified, 25lb tins	lb.	2.65	.300
Caraway, USP, 1lb bot.....lb.	lb.	41.00	.00 : 42.00
Cardamom, USP, 1lb bot.....lb.	lb.	9.50	.1050
Cascara, USP, 1lb bot.....lb.	lb.	50.00	.5200
CASSIA, 80-85 p.c. 400lb drms...lb.	lb.	1.95	.205
Redistilled, USP, 50lb cans...lb.	lb.	2.40	.250
Cedar Leaf, 50lb tins	lb.	.85	.95
Cedar Wood, light 1000lb drs...lb.	lb.	.70	.75
Celery, 1lb bot.....lb.	lb.	8.75	.950
Chaulmoogra, 80lb cases.....lb.	lb.	.85	.90
Cinnamon, Ceylon, 1lb bot.....lb.	lb.	10.50	.00 : 11.00
Leaf, 5lb bot	lb.	1.40	.150
CITRONELLA, Ceylon			
1000lb drums	lb.	.73	.80
50lb tins	lb.	.76	.83
Java, 40lb drums	lb.	1.30	.140
50lb tins	lb.	1.40	.150
Cloves, USP, 50lb cans.....lb.	lb.	1.85	.195
6lb bot	lb.	1.95	.205
Copaiba, USP, 25lb tins.....lb.	lb.	.45	.50
Coriander, USP, 1lb bot.....lb.	lb.	10.00	.00 : 10.50
Croton, USP, 25lb tins	lb.	.95	.100
Cubeb, USP, 5lb bot	lb.	4.50	.475
Cumin, 1lb bot	lb.	11.00	.00 : 11.50
Dill, 1lb bot	lb.	4.25	.450
Erigeron, 20lb tins	lb.	3.75	.400
EUCALYPTUS, Austl. USP,			
50lb cs.....lb.	lb.	.58	.60
500lb drums	lb.	.55	.57
Fennel, USP, 25lb tins.....lb.	lb.	.95	.110
Geranium, Algerian, 25lb tins..lb.	lb.	6.25	.675
Bourbon, 25lb tins	lb.	5.75	.625
Turkish, 28lb tins	lb.	4.00	.425
Ginger, 1lb bot	lb.	12.00	.00 : 13.00
Hemlock, 50lb can	lb.	.82	.85
Gingergrass, 28lb tins	lb.	3.00	.325
Juniper Berries, USP, 25lb tins..lb.	lb.	1.85	.200
Wood, 50lb tins	lb.	.50	.60
Lavender, USP, 28lb tins.....lb.	lb.	5.25	.750
Spike, Spanish, 50lb cans...lb.	lb.	1.10	.175
LEMON, Ital. USP, 25lb tins..lb.			
Terpenes	lb.	10.50	.00 : 11.00
American, USP, 25lb tins.....lb.	lb.	.85	.90
Lemongrass, native, 50lb cans...lb.	lb.	1.25	.135
Limes, Express, 25lb tins.....lb.	lb.	4.25	.450
Distilled, 25lb tins	lb.	1.75	.200
Linaloe, Mex., 80lb cases.....lb.	lb.	4.00	.425
Mace, distilled, 50lb tins.....lb.	lb.	1.50	.160
Mirbane, ret., see Ar. Chemicals			
Mustard, USP, 1lb bot	lb.	... : 14.00	
Artif., USP, 5lb bot	lb.	2.80	.290
Neroli, Bigarade, ½ & 1lb bot..lb.	lb.	40.00	.00 : 60.00
Petal, 1lb bot	lb.	90.00	.00 : 120.00
Artificial, 1lb bot	lb.	10.00	.00 : 25.00

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Nutmeg, U.S.P., 25 lb tins.....	lb 1.50	: 1.60	Vetiver, Bourbon 1 lb bot.....	lb 12.00	: 14.00
Orange, bitter, 25 lb tins.....	lb 2.60	: 2.75	Indian, 1 lb bot.....	lb 30.00	: 32.00
Sweet, W. Ind., 25 lb tins.....	lb 2.65	: 2.70	Java, 1 lb bot.....	lb 30.00	: 22.00
Italian, 25 lb cop.....	lb 2.80	: 3.00	Wine, heavy 1 lb. bot.....	lb ...	: 1.50
Terpenes,	lb 60.00	: 64.00	WINTERGREEN		
American, 25 lb tins.....	lb 2.75	: 2.80	Sweet bch., 25 lb tins.....	lb 2.50	: 3.00
Distilled, 25 lb tins.....	lb 1.65	: 1.75	Southern, 25 lb tins.....	lb 1.85	: 2.00
Spanish, 25 lb tins.....	lb 2.80	: 2.90	Gaultheria, true 25 lb tins.....	lb 7.00	: 8.00
Origanum, 50 lb cans tech.....	lb .30	: .35	Southern, 25 lb tins.....	lb 3.75	: 4.00
Parsley, 1 lb bot.....	lb 3.50	: 4.00	Synthetic, true 50 lb cans.....	lb ...	: .47
Patchouli, 5 lb bot.....	lb 4.50	: 5.50	Wormwood, Bals., 25 lb tins.....	lb 3.25	: 3.85
Penroyal, down, 25 lb tins.....	lb 2.00	: 2.15	Wormwood, dom., 25 lb tins.....	lb 4.00	: 4.50
Imported, 25 lb tins.....	lb 1.65	: 1.70	Ylang Ylang, Bourbon, 10 lb tins.....	lb 4.00	
PEPPERMINT, nat., 60 lb cases.....	lb 15.00	: 15.50	No 1.....	lb 9.00	: 10.00
Radic., U.S.P., 60 lb cases.....	lb 15.50	: 16.00	No 2.....	lb 6.00	: 7.00
Petit Grain, S. A., 25 lb tins....	lb 2.10	: 2.20	Manilla, 1 lb bot.....	lb 22.00	: 40.00
French, 1 lb bot.....	lb 7.00	: 8.00	Artificial, 1 lb bot.....	lb 10.00	: 12.00
Italian, 25 lb tins.....	lb 2.25	: 2.35	OLEORESINS		
Pimento, 25 lb tins.....	lb 2.75	: 3.00	Aspidium, U.S.P., 1 lb bot.....	lb 2.75	: 3.00
Pine, Sylvestris, 25 lb tins.....	lb ...	: 1.40	Cardamom, U.S.P., 5 lb cans.....	lb 2.50	: 2.75
Pumille, U.S.P., 25 lb tins.....	lb ...	: 2.25	Cubeb, U.S.P., 1 lb bot.....	lb 4.00	: 4.50
Rose, Fr., 8, 16 & 32 oz. cans.....	lb ...	: 9.00	Ginger, 5 lb bot.....	lb 3.75	: 4.00
Bug, 8, 16 & 32 oz. cans.....	lb ...	: 9.00	Malefern, See Aspidium		
Artificial, 1 lb bot.....	lb 2.00	: 3.00	Gras, 1 lb bot.....	lb 15.00	: 18.00
Rosemary, U.S.P., 27 1/2 lb tins....	lb .42	: .46	Pepper, black, U.S.P., 1 lb bot.....	lb 3.50	: 4.00
1000 lb drums.....	lb .35	: .40	Vanilla, 1 lb bot.....	lb 22.50	: 25.00
Tech., 27 1/2 lb tins.....	lb .35	: .40			
Rue, 1 lb bot.....	lb ...	: 4.25	AROMATIC CHEMICALS		
Sandalwood, E. Ind., U.S.P., 70 lb cases.....	lb 7.25	: 7.40			
W. Indian (Amyris) 25 lb tins.....	lb 2.35	: 2.45	NATURAL DERIVATIVES		
Santalas, U.S.P., 50 lb cans.....	lb 1.10	: 1.20	Anethol, 2 lb bot.....	lb 1.25	: 1.75
Artificial, 1000 lb drs. 60 lb cans.....	lb .34	: .36	Borneol, 1 lb bot.....	lb ...	: 8.50
Savin, 5 lb tins.....	lb 2.25	: 2.40	CITRAL, 25 lb cans.....	lb 3.00	: 3.50
Spearmint, U.S.P., 60 lb cases.....	lb 4.85	: 5.00	Chimonial, 1 lb bot.....	lb 2.50	: 3.00
Spruce, 50 lb tins.....	lb .83	: .85	EUCALYPTOL, U.S.P., 25 lb cans.....	lb ...	: .90
Tansy, Amer., 20 lb tins.....	lb 3.25	: 3.35	Eugenol, U.S.P., 25 lb cans.....	lb 2.25	: 3.50
Tar, 50 gal. bbls.....	gal .25	: .26	Geraniol, Domestic, 50 lb cans.....	lb 4.00	: 4.25
Refined, U.S.P. 25 lb tins.....	lb ...		Imported, 5 lb bot.....	lb 4.50	: 5.00
Thyme, red, U.S.P., 25 lb tins.....	lb .85	: 1.00	so-Eugenol, 1 lb bot.....	lb 4.00	: 4.50
White, U.S.P., 25 lb tins.....	lb 1.00	: 1.10	Imported	lb 5.25	: 6.25
Tech., 110 lb drums.....	lb .30	: .35			

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[FEBRUARY 25, 1925]

Aromatic Chemicals

Benzyl Propionate, 1 lb bot.	lb	5.00	:	5.25
Bornyl Acetate, 1 lb bot.	lb	3.75	:	4.00
Cromostyrol, 25 lb cans	lb	3.50	:	4.00
Butyl Anthradilate, 1 lb bot. dom. lb	lb	16.00		
Butyric Ether, See Ethyl Butyrate				
Cinnamic Acid, 5 lb cans	lb	3.25	:	3.50
Alcohol, liquid 1 lb bot.	lb	9.00	:	9.50
Crystallizable	lb	9.50	:	10.00
Aldehyde	lb	3.50	:	3.75
CITRONELLOL, 1 lb bot.	lb	9.00	:	11.00
Imported, 1 lb bot.	lb	10.00	:	13.00
Citronellyl Acetate, 1 lb bot.	lb	13.00	:	14.00
COUMARIN, 25 lb cans	lb	3.25	:	3.45
DIETHYL PHTHALATE, 25 lb cans	lb	.40	:	.45
1000 lb drs.	lb	.35	:	.40
Diphenyloxide, 25 lb tins	lb	.85	:	.90
Ethyl Acetate, pure, 5 lb bot.	lb	.45	:	.50
Benzoate, 5 lb bot.	lb	1.85	:	2.00
Butyrate, 5 lb bot.	lb	2.25	:	2.50
Caproate, 1 lb bot.	lb	3.25	:	3.50
Cinnamate, 1 lb bot.	lb	3.50	:	3.75
Formate, 5 lb bot.	lb	1.25	:	1.50
Ethyl-methyl Paracresol, 1 lb bot.	lb	3.25	:	3.50
Ethyl Phenylacetate, 5 lb bot.	lb	3.75	:	4.00
Propionate, 1 lb bot.	lb	2.25	:	2.50
Valerate, 5 lb bot.	lb	4.50	:	4.75
Salicylate, 5 lb bot.	lb	3.25	:	3.50
Formic Ether. See Ethyl Formate				
Geranyl Acetate, 1 lb bot.	lb	5.00	:	5.50
Butyrate, 1 lb bot.	lb	13.00	:	13.50
Formate, 1 lb bot.	lb	12.00	:	12.50
Hellotropin, dom., 100-10 lbs.	lb	1.85	:	2.00
Imported	lb	2.25	:	2.50
Hydroxycinnamal, 1 lb bot.	lb	12.00	:	14.00
Indol, CP, 1 oz. bot.	os	6.00	:	6.50
Ionone, 1 lb bot. 100%.	lb	10.00	:	11.00
Alpha	lb	14.50	:	16.00
Beta	lb	12.75	:	14.50
Methyl	lb	16.00	:	18.00
Eso-Butyl Benzoate, 5 lb bot.	lb	4.75	:	5.00
Iso-Safrol, 1 lb bot. imported	lb	5.00	:	5.25
Domestic, 5 lb bot.	lb	4.00	:	4.25
Linalyl Acetate, 1 lb bot. Dom.	lb	8.00	:	8.50
Imp., 1 lb bot.	lb	8.00	:	8.50
Benzoate, 1 lb bot.	lb	13.00	:	14.00
Formate, 5 lb bot.	lb	10.50	:	12.00
Methyl Acetophenone	lb	3.25	:	3.50
ANTHRANILATE dom., 1 lb bot.	lb	2.50	:	3.00
1 lb bot.	lb	2.50	:	3.00
Imported	lb	3.00	:	3.25
Benzoate, 5 lb bot. import.	lb	2.00	:	2.25
Domestic, 5 lb bot.	lb	1.75	:	2.00
Cinnamate, 1 lb bot.	lb	3.50	:	3.75
Heptenone, 1 lb bot.	lb	8.00	:	8.25
Paracresol, 1 lb bot.	lb	8.00	:	9.00
Phenylacetate, 5 lb bot. dom.	lb	3.75	:	4.00
SALICYLATE, USP 500 lb				
drums	lb	...	:	.45
50 lb cans	lb	...	:	.47
Second Hands	lb	.44	:	.45
Miranane, rect., 1000 lb drums	lb	.12	:	.14
Musk Ambrette, 1 lb cans	lb	10.50	:	11.00
Ketone, 1 lb cans	lb	11.50	:	12.00
Xylene, 5 lb cans	lb	3.25	:	3.50
Nerolin, 1 lb cans	lb	1.65	:	1.80
Oenanthide Ether, 1 lb bot.	lb	2.25	:	2.50
Para-Cymene, Refd., 110 gal. drs. gal	lb	2.25	:	2.50
Phenylacetaldehyde, Dom.				
1 lb bot. 50 p.c.	lb	8.00	:	8.50
Imported, 50 p.e.	lb	7.00	:	7.50
80-85 p.e.	lb	14.00	:	16.00
Phenylacetic Acid, 1 lb bot.	lb	3.00	:	3.25
Phenyl Diacetate, 1 oz. bot.	os	3.25	:	3.50
1 lb bot.	lb	8.00	:	10.00
Imported	lb	7.00	:	7.75
Phenylethyl Butyrate, 1 lb bot.	lb	26.00	:	28.00
Formate, 1 lb bot.	lb	19.00	:	21.00
Propionate, 1 lb bot.	lb	20.00	:	24.00
Valerate, 1 lb bot.	lb	25.00	:	29.00
Phenylpropylglycidol, 1 lb bot.	lb	15.00	:	16.00
Skatol, 1 oz. bot.	os	7.00	:	7.25
Terpinyl Acetate, 25 lb cans	lb	1.65	:	1.85
Imported, 25 lb cans	lb	1.90	:	2.20
TERPINEOL, CP, 1000 lb cans	lb	.42	:	.44
Cane, 50 lb	lb	.47	:	.49
Absolute, 25 lb cans	lb	.50	:	.55
Imported, 25 lb cans	lb	...	:	.55
VANILLIN, USP, 500 oz. cans	os	...	:	.49%
Cane, 16 oz., 80 oz.	os	.50	:	.51
Second Hands	os	...	:	.47
Valerenic Ether, See Ethyl Valerate				
Yara Yara, 1 lb cans	lb	1.65	:	1.80
PERFUMERS' SUNDRIES				
Almond Meal, 25 lb cans	lb	.24	:	.26
Amber, liquid 400 lb drs.	lb	2.20	:	2.30
Ambergris, black, bxs.	os	8.00	:	10.00
Ambergris, gray, bxs.	os	...	:	26.00
Balsam Copala, Para, 80 lb cases	lb	.55	:	.57
South American, 80 lb cases	lb	.60	:	.62
Peru, 120 lb cases	lb	1.90	:	2.00
Tolu, 90 lb cases	lb	1.60	:	1.70
Benzoin Gum, Siam, bxs.	lb	1.30	:	1.35
Castoreum, 1 lb bot.	lb	4.00	:	4.50
Chalk, precip. light, 175 lb bbls.	lb	...	:	.04%
Cherry Laurel Water, 5 gal. cans	gal	1.15	:	1.25
Civet Abyssin, horns	os	2.75	:	3.75
Labdanum, 5 lb bot.	lb	...	:	8.00
Lanolin hydrox, 350 lb bbls.	lb	.15	:	.21
Anhydros, 350 lb bbls.	lb	.18	:	.23
Musk pods, Cabardine, tins	os	16.00	:	17.00
Tonquin, tins	os	22.00	:	25.00
Grains, Cabardine, tins	os	25.00	:	26.00
Tonquin, tins	os	35.00	:	38.00
Synthetic, See Aromatic Chemical's				
Orris RL Flor, powd. bbls.	lb	.11	:	.12
Verona, powd. bbls.	lb	.09	:	.10
Petroleum, snow white, 350 lb bbls.	lb	.12%	:	.13
Light Amber, 350 lb bbls.	lb	.04%	:	.05
Rice Starch, 140 lb bags	lb	.09	:	.10
Rose Water, 6 2-3 gal. cans	gal	1.00	:	1.25
Sandalwood chips, powd., bags.	lb	.30	:	.35
Saponin, 5 lb tins	lb	1.25	:	1.50
Tale, Italian, 220 lb bags	ton	60.00	:	60.00
French, 220 lb bags	ton	40.00	:	45.00
Domestic, ref., 100 lb bags	ton	14.00	:	15.00

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ACIDS—Carbolic, 33 drs., Order, Hamburg; Citric, 70 cks., Order, Palermo; Stearic, 3 brls., Franks Chem. Prod. Co., Rotterdam; Tartaric, 20 brls., 50 cks., W. Benkert Co., Rotterdam; 150 brls., 650 kegs, Order, Rotterdam; 250 cks., Order, Palermo
ALBUMEN—3 cs., I. R. Boddy & Co., Taku Bar; 11 cs., Sino Java Handels Inc., Shanghai; 19 cs., Importers Commission Co., Shanghai; 56 cs., Jardine Matheson Co., Shanghai; Hen, 36 cs., McAndrews & Forbes, Shanghai
ALCOHOL—Methyl, 100 cks., Kuttroff Pickhardt Co., Rotterdam; 305 cks., G. W. Sheldon & Co., Rotterdam
ALMOND MEAL—10 cs., Ungerer & Co., London
ALOES—270 cs., Amer. Trdg. Co., Curacao
AMMONIUM—Carbonate, 3 cks., Kuttroff Pickhardt Co., Rotterdam; Chloride, 5 cs., Wing & Evans, Liverpool; Fluoride, 20 cs., Winter Wolff & Co., Bremen; Muritate, 100 cks., Kuttroff Pickhardt & Co., Rotterdam
ANTIMONY—250 cs., Order, Hankow; 191 cs., C. Hardy, Hankow; Oxide, 149 bgs., Order, Hankow; Regulus, 320 cs., Standard Bank of So. Africa, Hankow; 200 cs., Wah Chang Trdg. Corp., Shanghai; 20 pgs., H. Hollesen Shanghai; 213 cs., Brandeis Goldschmidt Co., Trieste; 20 cks., Order, London; 200 cs., C. Hardy Inc., Hankow
ARGOLIS—38 cks., Tartar Chem. Wks., Naples
ARSENIC—476 brls., Amer. Smelt. & Ref. Co., Tampico
BARIUM—Chloride, 153 cks., Goldschmidt Corp., Rotterdam; 50 cks., Order, Rotterdam
BARKS—Cinchona, 18 bgs., Guaranty Trust Co., Rotterdam; 19 bgs., Order, London
BASILIT—10 brls., R. W. Greeff & Co., Rotterdam

BERRIES—Juniper, 50 bgs., Stallman & Co., Trieste
CAMPHOR—Crude, 100 cs., C. Pfizer & Co., Hongkong
CARBON—Decolorizing, 38 brls., 441 bgs., L. A. Salmon & Bro., Rotterdam
CASEIN—1,667 bgs., Order, Buenos Aires; 52 bgs., Order, Hamburg; 100 bgs., Equit Trust Co., Havre
CHALK—50 bgs., Brown Bros. & Co., Leghorn; 550,000 kilos, Tainter Trdg. Co., Dunkirk; 2,000 bgs., Hammill & Gillespie, Havre; 2,000 bgs., S. L. Libby Corp., Havre; 20 cs., Brunswick Balke Collender Co., Havre
CINCHONINE—5 cs., R. W. Greeff & Co., Rotterdam
COAL TAR DISTILLATE—6 drs., W. E. Jordan & Bro., Glasgow
COLORS—28 cks., Geigy Co., Havre; 64 cks., Ciba Co., Havre; 4 cs., W. F. Sykes & Co., Havre; 20 cks., Sandoz Chem. Wks., Havre; 20 cs., R. F. Downing & Co., London; 48 cks., Kuttroff Pickhardt Co., Rotterdam; 7 cks., H. A. Metz & Co., Rotterdam; 25 cks., Sherwin Williams & Co., Southampton; 12 cks., H. A. Metz & Co., Hamburg; 22 cks., Kuttroff Pickhardt & Co., Hamburg; 5 pgs., Carbic Color & Chem. Co., Hamburg; 1 cse., T. Riessner, Hamburg; 5 cs., Franklin Imp. & Exp. Co., Hamburg; 13 cs., Favor Ruhl Co., Hamburg; **Bronze**, 29 cs., Baer Bros., Bremen; 18 cs., B. F. Drakenfeld Co., Bremen; 2 cs., Martin & Bechtold, Bremen; 24 cs., L. Uhlfelder, Bremen; 15 pgs., A. W. Fenton, Bremen; 2 cs., Koeller Struss Co., Hamburg; **Coal Tar**, 7 cks., 1 cse., H. A. Metz & Co., Rotterdam; **Earth**, 33 cs., L. H. Butcher & Co., Bremen; 1 ck., Order, Rotterdam; 1 ck., Order, Rotterdam; 19 cks., L. H. Butcher & Co., Bremen

DIVI DIVI—100 bgs., P. R. Rincones Jr. & Co., Maracaibo
DRAGONS BLOOD—9 cs., Gambouge & Co., Singapore
EXTRACTS—9 cks., Carbic Color & Chem. Co., Havre; **Mangrove**, 100 bxs., W. A. Ross & Bros., Liverpool; **Quebracho**, 14,397 bgs., Beekman Winthrop, Buenos Aires
FLOWERS—16 bls., Order, Marseilles; **Verasco**, 5 cs., E. Hesselbach, Trieste
FLUORSPAR—250 bgs., Roessler & Hasslacher Chem. Co., Hamburg
GALANGAL—25 bls., Chase Nat. Bk., Hongkong
GALLNUTS—240 bgs., R. Clancy, Hankow; 480 bgs., Zinsser & Co., Hankow; 117 cs., Order, Hankow; 580 bgs., Zinsser & Co., Hankow; 129 bgs., Determann & Co., Hankow
GLUE—50 bgs., Milligan & Higgins Glue Co., London; 268 bgs., Order, Rotterdam
GLYCERIN—36 drs., Harshaw Fuller & Goodwin, Havana
GUMS—8 bls., Determann & Co., Manila; 20 cs., 7 bgs., Brown Bros. & Co., Singapore; 250 bgs., 50 cs., Chem. Nat. Bk., Singapore; 20 bgs., G. H. Lincks Co., Marseilles; **Arabic**, 30 bgs., Thurston & Braithwaite, Marseilles; **Sandarac**, 10 bgs., G. Wills & Sons, Casablanca; **Chicle**, 250 bgs., Chicle Dev. Co., Belize; 10 bgs., Gomez & Sloan, Vera Cruz; 300 bgs., Chicle Dev. Co., Vera Cruz; **Copal**, 118 bgs., J. H. Faunce, Liverpool; 60 bgs., S. Winterbourne & Co., London; 88 bgs., Innes & Co., Manila; 427 bgs., Order, Macassar; 672 bgs., Kidder Peabody & Co., Macassar; 282 bls., Irving Bk., Macassar; 332 bgs., Standard Bk. of So. Africa, Macassar; 195 bkt., W. Scheel, Macassar; 554 bkt., 215 bgs., Paterson Boardman &

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[FEBRUARY 25, 1925]

- KNAPP**, Macassar; 18 brkts., Mech. & Metals Nat. Bk., Macassar; 48 brkts., Sino Java Hvg. Macassar; 128 bgs., Baring Bros., Singapore; 150 cs., 320 bgs., L. C. Gillespie & Sons, Singapore; 142 bgs., S. Winterbourne & Co., Batavia; 216 brkts., W. Scheel, Batavia; Damar; 100 bgs., W. Schall & Co., Batavia; 140 bgs., L. C. Gillespie & Sons, Singapore; 100 cs., Chem Nat. Bk., Batavia; 50 cs., Order, Batavia; 100 cs., Kidder Peabody & Co., Batavia; 100 cs., Brown Bros. & Co., Batavia; 128 bgs., Baring Bros. & Co., Singapore; 1,408 bgs., Order, Singapore; 100 cs., Order, Singapore; **TRAGACANTH**, 36 cs., 86 bgs., W. Mohrman, London
- HERBS**—2 cs., Hensel Bruckmann & Lorbacher, Bremen; 8 bgs., Order, Trieste
- IRON CHLORIDE**—55 cks., Order, Hamburg
- IRON OXIDE**—19 cks., J. A. McNulty, Liverpool; 68 cks., Order, Liverpool; 214 brls., Hummel & Robinson, Malaga; 227 brls., C. J. Osborn, Malaga; 100 brls., J. L. Smith & Co., Malaga; 114 brls., Reichard Coulston, Malaga; 100 brls., E. M. & F. Waldo, Malaga; 46 brls., L. H. Butcher & Co., Malaga; 125 brls., Order, Malaga; **Sulfate**, 180 cks., Order, Hamburg
- LEAVES**—19 cs., 16 lbs., Armand Gaidan Freres, Marseilles; **Jaborandi**, 58 bgs., Order, Parahyba; **Laurel**, 2 bgs., Order, Tangier; **Patchouli**, 119 bgs., Brown Bros. & Co., Singapore; 60 bgs., Order, Penang; 51 bgs., Order, Singapore; **Sage**, 25 bgs., P. E. Anderson & Co., Trieste; 90 bgs., Bk. of America, Trieste; 25 bgs., Van Loan & Co., Trieste; 76 bgs., Bk. of America, Trieste; **Senna**, 19 bgs., Order, London; 269 bgs., Order, Pt. Sudan; 200 bgs., Order, Colombo; **Stramonium**, 47 bgs., S. B. Penick & Co., Trieste; **Thyme**, 30 bgs., Stallman & Co., Marseilles; 11 bgs., Order, Marseilles
- LICORICE**—Cuttings, 5 bgs., Peel & Velsor, Marseilles; 50 bgs., McLaughlin Gormley & King, Marseilles; 5 bgs., Order, Marseilles
- LIME**—Carbonate, 743 bgs., C. Pfizer & Co., Marseilles; Tartrate, 294 bgs., C. Pfizer & Co., Buenos Aires
- MANGANESE**—**Peroxide**, 1 cse., Mitsui & Co., Osaka
- MAGNESIUM**—**Chloride**, 184 brls., Order, Hamburg
- MENTHOL**—24 cs., Seltzer, Havre; 10 cs., S. W. Bridges & Co., Kobe; 5 cs., Stanley Jordan & Co., Kobe; 10 cs., S. W. Bridges & Co., Yokohama; 5 cs., Blyth Green & Jordan, Kobe; 100 cs., S. W. Bridges & Co., Kobe
- META CRESOL**—2 drs., W. E. Jordan, Liverpool
- MYROBALANS**—1,000 pkts., Nat. City Bank, Calcutta; 6,368 pkts., Order, Calcutta
- NAPHTHALENE**—504 bgs., Pacific Chem. Co., Hamburg
- OILS**—**Acetone**, 39 drs., R. W. Greff & Co., Hamburg; **Coconut**, 1,172 tons, Philippine Ref. Corp., Manila; 1,110 tons, Spencer Kellogg & Sons, Manila; 714 tons, Procter & Gamble, Manila; 925 tons, Procter & Gamble, Manila; 783 tons, Amer. Linseed Co., Manila; **Cod**, 300 cks., Nat. Oil Prod. Co., St. Johns; 150 cks., Bowring & Co., St. Johns; 160 cks., R. Badcock & Co., St. Johns; **Codliver**, 10 brls., Baldwin Universal Co., Rotterdam; 100 brls., Order, Rotterdam; **Haarlem**, 20 cs., Order, Rotterdam; **Linseed**, 360 brls., Order, Rotterdam; **Palm**, 30 cks., Guaranty Trust Co., Liverpool; 156 cks., Order, Liverpool; 47 cks., D. Bacon, Liverpool; 1,213,000 kilos, Nat. Bk. Commerce, Hamburg; **Perilla**, 295 brls., I. R. Boddy & Co., Dairen; **Sardine**, 500 brls., Procter & Gamble, Kobe; **Sesame**, 100 brls., J. C. Francesconi & Co., Rotterdam; **Sod**, 10 brls., Order, Liverpool; **Rapeseed**, 450 brls., Oriental Vegetable Oil Co., Kobe; 300 brls., W. R. Grace & Co., Kobe; **Tar**, 2 drs., A. V. Britton, Liverpool; **Wood**, 493 cks., I. R. Boddy & Co., Hankow; 446 cks., G. W. S. Patterson & Co., Hankow; 300 cks., Order, Hankow; 58 cks., Union Bk., Canada, Hankow; 1,185 cks., Bingham & Co., Hankow; 145 brls., Order, Hankow; 200 cks., Amer. Exch. Nat. Bk., Hankow; 578 cks., Nat. City Bk., Hankow; 292 cks., Grace Nat. Bk., Hankow; 800 cks., 745 brls., Order, Hankow; 287 brls., Amer. Linseed Co., Hankow; 100 brls., Amer. Finance & Commerce Co., Hankow; 150 cks., Wah Chang Trdg. Co., Hankow; 180 cks., W. R. Grace & Co., Hankow; 141 drs., Amer. Linseed Co., Hankow
- OILS**, **ESSENTIAL**—7 cs., Morana Inc., Havre; 7 cs., Ungerer & Co., London; 10 cs., Magnus Mabee & Reynard, Kobe; 5 cs., Polacki Frutal Works, Rotterdam; 10 brls., P. R. Dreyer, Cannes; 4 brls., Fritzsch Bros., Cannes; 20 cs., Order, Trieste; 14 cs., Roux Bertrand, Southampton; **Almond**, 5 cs., Ungerer & Co., London; 10 cs., J. B. Horner & Co., Malaga; **Anise**, 4 drs., Lehman & Fink, Hongkong; 20 drs., Orbis Prod. Trdg. Co., Hongkong; 6 drs., Ungerer & Co., Hongkong; 10 drs., G. Lueders & Co., Hongkong; **Bergamot**, 44 cs., Guaranty Trust Co., Messina; 100 cs., G. Lueders & Co., Messina; **Camphor**, 24 drs., Serial Trdg. Co., Shanghai; 100 drs., Orbis Prod. Trdg. Co., Kobe; 7 drs., Importers Comm. Co., Shanghai; 7 drs., Equit. Eastern Trdg. Corp., Shanghai; 150 drs., Dodge & Olcott, Hongkong; 100 drs., Barton & Bush, Kobe; **Cassia**, 10 drs., Brown Bros. & Co., Hongkong; 10 drs., Goldman Sachs Co., Hongkong; 10 drs., Order, Hongkong; 5 drs., Order, Hongkong; 25 cs., Am. Exch. Nat. Bk., Hongkong; **Cinnamon**, 6 drs., Phila. Nat. Bk., Colombo; **Citronella**, 10 drs., Volkhart Bros., Colombo; 8 drs., Phila. Nat. Bk., Batavia; 5 drs., Chat. & Phenix Nat. Bk., Batavia; 4 drs., Phila. Nat. Bk., Batavia; **Fusel**, 1 bri., Order, Trieste; 30 drs., Order, Venice; **Geranium**, 9 ck., Guaranty Trust Co., Marcelline; 12 ck., Order, Marseilles; **Juniper**, 3 cs., Order, Trieste; **Lavender**, 2 cs., Dodge & Olcott Co., Cannes; 2 cs., Dodge & Olcott Co., Cannes; **Lemon**, 100 cs., G. Lueders & Co., Messina; **Lime**, 3 drs., Fritzsch Bros., Order, Vera Cruz; **Linaloe**, 3 drums, Order, Vera Cruz; **Orange**, 20 cs., Order, Kingston; 20 cs., Magnus Mabee & Reynard, Malaga; 100 cs., Order, Messina; **Origanum**, 6 drs., Orbis Prod. Trdg. Co., Malaga; **Terpenylacetate**, 41 cs., Pfaltz & Bauer, Rotterdam; 2 cs., G. Lueders & Co., Hamburg
- OPIMUM**—20 cs., Order, Rotterdam
- PITCH**—**Stearine**, 52 bgs., Amer. Exch. Nat. Bk., Rotterdam; 30 bgs., Order, Rotterdam
- PLUMBAGO**—666 bgs., Brown Bros. & Co., Colombo; 50 brls., N. Y. Trust Co., Colombo
- POTASSIUM SALTS**—21 cks., Corn Exch. Bk., Bremen; 333 bgs., Ste. Comm. des Potasses d'Alsace, Havre; **Alum**, 1 cse., Order, Hamburg; **Bromate**, 100 cs., Order, Hamburg; **Carbonate**, 72 cks., Parsons & Petit, Hamburg; **Chlorate**, 400 kegs, Order, Hamburg; **Muriate**, 2,550 bgs., Potash Imp. Corp., Bremen; **Nitrate**, 80 cks., Fuller & Goodwin, Jaemel; 1,016 bgs., Kutroff Pickhardt & Co., Rotterdam; 160 brls., Order, Hamburg; **Perchlorate**, 250 brls., C. Hardy, Havre
- POTATO STARCH**—250 bgs., Order, Rotterdam
- QUICKSILVER**—16 flasks, Haas Bros., Tampa; 20 flasks, McKesson & Robbins, Vera Cruz; 15 flasks, Poillon & Poirier, Vera Cruz; 25 flasks, Order, Alicante
- QUININE**—19 cs., R. W. Greff & Co., Rotterdam
- ROOTS**—10 bgs., S. B. Penick & Co., Hamburg; **Aconite**, 7 bgs., Chem. Nat. Bk., Rotterdam; 3 bgs., Armand Gaidan Freres, Marseilles; **Canagria**, 24 bgs., Order, Vera Cruz; **Ipecac**, 8 bgs., Bank of London & So. Amer., Bahia; 21 bgs., Colombian Amer. Corp., Cartagena; **Orris**, 218 bgs., 10 cks., 5 cs., Order, Leghorn; 27 bgs., Order, Leghorn; **Sarsaparilla**, 25 bgs., D. L. Befzeler, Tampico
- ROSIN**—20 cs., Order, Trieste
- SAFFRON**—1 cse., G. W. Sheldon & Co., Havre
- SALT**—280 sks., W. A. Hazard & Co., Liverpool
- SILVER SULFIDE**, 1 cse., Amsinck Sonne & Co., Salaverry
- SOAP**—11 cs., E. Gould, Havre; 33 cs., J. C. Murray & Co., Rotterdam
- SHELLAC**—100 bgs., Brown Bros. & Co., Calcutta; 300 bgs., Bk. of London & So. Amer., Calcutta; 82 bgs., Order, Calcutta; 25 cs., C. F. Gerlach, Rotterdam; 100 bgs., Lee Higginson, Calcutta; 125 bgs., Standard Bk. of S. Amer., Calcutta; **Garnet**, 35 bgs., Brown Bros. & Co., Calcutta; 20 cs., Order, Hamburg; **Seedlac**, 650 bgs., Order, Calcutta; **Stickla**, 107 cs., Innes & Co., Bangkok; 343 cs., Order, Bangkok; 100 cs., Amer. Exch. Nat. Bk., Singapore; 224 bgs., H. A. Doggett & Co., Singapore
- SODIUM SALTS**—**Cyanide**, 170 drs., Order, Liverpool; **Cyanure**, 221 cs., Anglo So. Amer. Trust Co., Havre; **Fluoride**, 50 drs., Globe Shpg. Co., Rotterdam; 77 cks., Globe Shpg. Co., Bremen; **Nitrate**, 6,977 bgs., Graham Rowe & Co., Antofagasta; 7,850 bgs., Anglo So. Amer. Trust Co., Antofagasta; 6,858 bgs., Anglo So. Amer. Trust Co., Iquique; 7,041 bgs., Wessel Duval & Co., Iquique; 1,660 bgs., Kutroff Pickhardt Co., Hamburg; **Sulfhydrate**, 13 drs., C. S. Grant & Co., Rotterdam
- SPICES**—**Cassia**, 150 bgs., Order, Canton; 150 bgs., Irwin Harrison & Whitney, Canton; 100 bgs., Van Loon & Co., Canton; **Chillies**, 58 bgs., Italia Amer. Shpg. Co., Naples; **Cinnamon**, 200 bgs., Phila. Nat. Bk., Colombo; **Cloves**, 300 bgs., Order, Rotterdam; 60 bgs., Italia Amer. Shpg. Co., Naples; 1,285 bgs., Order, Zanzibar; 92 bgs., Standard Bk. of So. Africa, Zanzibar; 500 bgs., Fidelity Intern. Trust Co., Zanzibar; **Ginger**, 50 bgs., J. E. Kerr & Co., Kingston; 49 bgs., Order, Kingston; 50 cks., Brown Bros. & Co., Hongkong; 13 bgs., M. H. Grace & Co., Jamaica; 125 cks., Order, Hongkong; **Pepper**, 500 bgs., Order, Batavia; 500 bgs., Black, 500 bgs., Order, Batavia; 500 bgs., Bk. of N. Y. & Trust Co., Batavia; 500 bgs., Mech & Metals Nat. Bk., Telok Betong; 750 bgs., Core & Herbert, Telok Betong; 5,500 bgs., Bank of N. Y. & Trust Co., Telok Betong; 500 bgs., Heidelberg Ickelheimer, Telok Betong; 250 bgs., Irwin Harrison & Whitney, Telok Betong; 350 bgs., Amer. Exch. Nat. Bk., Telok Betong; 500 bgs., Guaranty Trust Co., Telok Betong; 500 bgs., Bk. of Manhattan Co., Telok Betong; 250 bgs., W. Schall & Co., Telok Betong; 500 bgs., Bk. of America, Telok Betong; 1,000 bgs., Lee Higginson & Co., Telok Betong; 1,000 bgs., Littlejohn & Co., Telok Betong; 1,000 bgs., Intern. Credit Hvg., Telok Betong; 2,000 bgs., H. P. Winter & Co., Telok Betong; 500 bgs., Order, Telok Betong; 125 bgs., Bk. of America, Singapore; **Pepper**, White, 192 bgs., C. E. Armstrong Co., Singapore
- SUMAC**—20 bgs., Order, Palermo
- SEEDS**—10 bgs., Armand Gaidan Freres, Marseilles; 42 bgs., Champion Co., Marseilles; 11 bgs., S. B. Penick & Co., Marseilles; 11 bgs., H. R. Lathrop, Marseilles; **Canary**, 250 bgs., J. Chana & Co., Casablanca; 48 bgs., Order, Casablanca; **Caraway**, 250 bgs., Habicht Braun & Co., Rotterdam; 200 bgs., 500 bgs., French Kreme Co., Rotterdam; 200 bgs., Order, Rotterdam; **Cardamom**, 12 bgs., Bk. of America, Colombo; 10 cs., C. T. Wilson & Co., London; 25 cs., Order, Colombo; **Castor**, 3,386 bgs., Baker Castor Oil Co., Pernambuco; 5,900 bgs., Order, Pernambuco; 2,550 bgs., Order, Bahia; **Celery**, 84 bgs., Order, Marseilles; **Coriander**, 450 bgs., J. Chana & Co., Casablanca; 375 bgs., Order, Casablanca; **Cumin**, 195 bgs., Order, Rotterdam; 112 bgs., Order, Malta; 111 bgs., Westminster Bk., Hamburg; **Fenugreek**, 250 bgs., Order, Casablanca; **Poppy**, 150 bgs., Ideal Trdg. Co., Rotterdam; 200 bgs., M. Misenburg, Rotterdam.; 100 bgs., Leghorn Trdg. Co., Rotterdam; 300 bgs., French Kreme Co., Rotterdam; **Rape**, 300 bgs., G. W. Sheldon & Co., Rotterdam
- TALC**—500 bgs., Nat. City Bk., Genoa; 1,700 bgs., Ital. Discount & Trust Co., Genoa; 980 bgs., C. Mathieu, Genoa; 125 bgs., Kountze Bros., Genoa; 200 bgs., Order, Genoa
- TAPIOCA**—13,746 bgs., Nat. City Bk., Sourabaya; 262 bgs., Order, Samarang; 575 bgs., Order, Batavia; **Flour**, 2,399 bgs., Stein Hall & Co., Batavia; 255 bgs., Order, Sourabaya; 255 bgs., Nat. City Bk., Batavia; 760 bgs., Chat & Phenix Nat. Bk., Batavia; 251 bgs., French Amer. Bkg. Corp., Batavia; 172 bgs., Guaranty Trust Co., Batavia; 1,900 bgs., Goldman Sachs Co., Batavia; **Pearl**, 2,037 bgs., Stein Hall & Co., Batavia; 366 bgs., E. Boustead & Co., Penang; **Seed**, 287 bgs., Stein Hall & Co., Batavia; **Siftings**, 118 drs., Stein Hall & Co., Batavia
- TARTAR**—200 bgs., C. Pfizer & Co., Marseilles; 190 bgs., Tartar Chem. Wks., Marseilles; 77 bgs., Tartar Chem. Wks., Marseilles; 86 bgs., Tartar Chem. Wks., Alicante; 78 bgs., C. Pfizer & Co., Alicante; **Cream**, 50 kgs., A. Klipstein & Co., Genoa
- TEA WASTE**—250 bgs., Order, Calcutta
- TETRACHLORAEETHANE**—8 brls., Brown Bros. & Co., Hamburg

THYMOLE—4 ccs., Mallinckrodt Chem. Wks., Rotterdam; 5 ccs., Order, Hamburg
TUSCAN RED—8 ccs., J. A. McNulty, Liverpool

ULTRAMARINE—1 brl., F. B. Vandegrift & Co., Rotterdam; **Blue**, 24 ccs., A. Maharrie, Glasgow

VANILLA BEANS—8 ccs., Gomez & Sloan, Vera Cruz; 2 ccs., P. H. Petry & Co., Marcellies; 2 ccs., Order, Batavia

WAX—40 bgs., L. S. Taintor, Hamburg; 6 bgs., W. Schall & Co., Porto Plata; **Bees**, 21 bgs., Bank of America, Leghorn; 22 bgs., D. Steenagrafe, Rio de Janeiro; 30 bgs., Nat. City Bk., Rio de Janeiro; 50 bgs., Amer. Trdg. Co., Rio de Janeiro; 43 bgs., Ponds Extract Co., Rotterdam; **Carnauba**, 35 bgs., Elbert & Co., Pernambuco; 112 bgs., Bk. of London & So. America, Bahia

WOODFLOUR—208 bgs., Bakelite Corp., Rotterdam

WOOL GREASE—25 bbls., W. Schall & Co., Bremen; 50 bbls., Pfaltz & Bauer, Bremen; 75 bbls., Order, Rotterdam

ZINC—Chloride, 27 cks., Goldschmidt Corp., Rotterdam; **Dust**, 60 ccs., Mitsui & Co., Kobe; **Oxide**, 200 brls., Order, Marseilles; **Sulfide**, 2 cks., C. A. Sykes, London

IMPORTS AT PHILADELPHIA

Feb. 11 to 18

ACID—Formic, 80 carboys, Koons Wilson & Co., Rotterdam; 294 balloons, R. W. Greeff & Co., Rotterdam; **Oxalic**, 22 cks., Order, Rotterdam

ALUMINA—Sulfate, 225 bgs., Order, Rotterdam

BAIRIUM—Chloride, 59 cks., International Accep. Bank, Rotterdam

CHALK—1,000 tons, Brown Bros. & Co., London; 400 bgs., Order, Havre; 5,000 tons, Brown Bros. & Co., Boulogne

CHEMICALS—200 bgs., Order, Hamburg; 250 bgs., Harshaw, Fuller & Goodwin Co., Rotterdam; 450 bgs., Order, Rotterdam

COLLODION EMULSION—4 ccs., J. L. Van Diver, Hamburg

COLORS—Earth, 5 cks., Order, Rotterdam

EPSOM SALT—100 bgs., C. Tennant Sons & Co., Hamburg

FLUORSPAR—500 bgs., Order, Hamburg

GLAUBER'S SALT—382 bgs., Phila. Nat. Bk., Rotterdam

GLUESTOCK—117 bgs., Order, Leghorn

GLYCERIN—200 drs., Order, London; 105 drs., New York Trust Co., Rotterdam; **Soaplye**, 70 drs., Order, Dunkirk

GUM—Copal, 119 bgs., John H. Faunce, Liverpool

LIME—Chlorinated, 12 ccs., W. Kohnstattm & Co., Liverpool; 25 ccs., Order, Liverpool

MANGANESE—Chloride, 25 cks., Am. Exp. Co., Bremen

MOLASSES—523,500 gals., David Berg Ind. Alcohol Co., Havana

Oil, ESSENTIAL—Citronella, 12 drs., Phila. Nat. Bank, Batavia

PHOSPHORUS—23 bottles, Order, Hamburg
POTASH—50,000 kilos, 111 bgs., Societe Commerciale des Potasses d'Alsace, Dunkirk; **Nitrate**, Refined, 80 cks., Harshaw, Fuller & Goodwin Co., Antwerp

SODIUM—Bromide, 162 ccs., Order, Hamburg; Chlorate, 100 bbls., Seaboard Nat. Bk., Hamburg; Nitrate, 125 cks., Order, Rotterdam

SUMAC—Ground, 560 bgs., J. S. Young & Co., Palermo; 350 bgs., Order, Palermo; Leaf, 100 bls., Order, Palermo

IMPORTS AT BALTIMORE

Feb. 13 to 19

AMMONIA—Sulfate, 1,117,600 lbs., F. H. Shallus Co., Blommersdijk, Rotterdam

BRISTLES—65 cases, Rennous-Kleinle Div. of Pittsburgh Plate Glass Co., Diana Dollar, Seattle

CHEMICALS—50 casks, Roessler & Hassacher Chem. Co., New York, Blommersdijk, Rotterdam

CORK—30 bales, Crown Cork and Seal Co., Blommersdijk, Rotterdam

FLUOR-SPAR—26 tons, Shriver & Co., Manchester Mariner, Manchester

GLUE—60 bags, 6,732 lbs., Levy & Sons, Liberty, Havre

LITHOPONE—60 casks, C. M. & F. Waldo, Missouri, Antwerp

MOLASSES—1,300,000 gals., Cuba Distributing Co., Carrabelle, Nuevitas

Oil—Sesame, 250 drs., John S. Connor, Blommersdijk, Rotterdam; 69 drs., to order Blommersdijk, Rotterdam

POTASH—Kainit, 199,633 lbs., F. H. Shallus Co., Yaye Maru, Hamburg; 200 tons, Potash Impg. Corp., Yaye Maru, Hamburg; 150 tons, Potash Impg. Corp., Yaye Maru, Hamburg; 50 tons, Potash Impg. Corp., Yaye Maru, Hamburg; 200 tons, Manure Salt, 200 tons, Potash Impg. Corp., Yaye Maru, Hamburg; 145 tons, F. H. Shallus Co., Yaye Maru, Hamburg; **Muriate**, 3,500 bags, 300 tons, F. H. Shallus Co., Yaye Maru, Hamburg

PHARMACEUTICAL PRODUCTS—6 cases, Baltimore and Ohio Railroad, Yaye Maru, Hamburg

PYRETHRUM FLOWERS—50 bales, Western Drug Importers Inc., Diana Dollar, Vancouver; 75 bales, McCormick & Co., Diana Dollar, Seattle

SEED—Mustard, 650 bags, Baltimore and Ohio railroad, Rexmore, Liverpool; 50 bags, F. H. Shallus Co., Blommersdijk, Rotterdam

STARCH—Potato, 100 bags, Stein Hall & Co., Inc., Blommersdijk, Rotterdam

WOOL GREASE—200 bbls., Kidder Peabody Acceptance Corp., Leguria, Hamburg

IMPORTS AT SAN FRANCISCO

Feb. 7 to 14

ANTIMONY—Regulus, 200 cases, H. M. Newhall & Co., Canton

CARBON—25 packages, Order, Glasgow
Oil—Coconut, 280 tons, Mercantile Trust Co., Manila; Peanut, 22 cases, Sing Fat Co., Hongkong

SHELLAC—50 bgs., H. W. Peabody & Co., Calcutta

SODA—Nitrate, 16,521 bags, Pacific Guano Fertilizer Co., Ltd., Iquique; 11,072 bags, Anglo & London, Paris Natl. Bank, Iquique

Burrough Bros. Mfg. Co., Cleveland, Ohio

IMPORTS AT BOSTON

Feb. 14 to 21

ACID—Cresylic, 1 dr., Grand Trunk R. R., London

COLORS—Antiline, 28 cks., Dyestuffs Corp. of Am., Liverpool

IRON OXIDE—10 cks., Order, Liverpool
Oil—Codliver, 100 bbls., N. F. Carleton Hovey Co., St. Johns; 59 cks., Marden Wild Corp., St. Johns

STICKLAC—504 bgs., Int. Banking Corp., China; 882 bgs., E. S. Parks Shellac Co., China; 224 bgs., Int. Banking Corp., Singapore

TRAGASOL—55 cks., J. P. Marston & Co., Liverpool

WOOL GREASE—300 bbls., Marden Wild Corp., Manchester

IMPORTS AT NEW ORLEANS

Feb. 6 to 20

AMMONIUM—Muriate, 11,398 lbs., Order, Germany

BAUXITE—7,925 tons, Republic Mining & Mfg. Co., Georgetown, D. G.; 4,939 tons, Republic Mining & Mfg. Co., Paramaribo, D. G.; 2,721 tons, New Orleans & South American Steamship Co., Paramaribo, D. G.

CHALK—300 bags, Order, Antwerp

COPRA—5,008 tons, Procter & Gamble, Cebu

FULLER'S EARTH—1,800 sks., Order, London

GUM—Chicle, 3,504 bbls., Mexican Exploitation Co., Progresso; 659 bbls., Chicle Development Co., Progresso; 593 bbls., Illinois Central Railroad, Progresso; 583 bbls., William Wrigley Jr. Co., Livingston

IRON OXIDE—160 bbls., Order, Malaga

MOLASSES—650,000 gals., Dunbar Molasses Co., Havana; 800,000 gals., Kentucky Alcohol Co., Sagua la Grande; 1,250,000 gals., Am. Sugar Refinery Co., Nuevitas; 200,000 gals., Order, Cienfuegos

NITRATE FERTILIZER—5,086 bgs., Order, Scandinavian Ports

OIL—Creosote, 3,888 tons, The Barrett Co., London; 8,800 tons, American Creosote Wks., London; **Olive**, 23 tons, Order, Genoa

POTASH—500 bags, Order, Havre; **Caustic**, 53,851 lbs., Order, Germany

PYRIDINE—4,675 lbs., Order, Germany

ROOT—Canagria, 8 bgs., Order, Vera Cruz; Sarsaparilla, 16 bgs., Order, Vera Cruz

SALT—2,000 bgs., Order, Liverpool

SEED—Mustard, 1,106 lbs., Order, Holland

TALC—50 tons, Order, Genoa

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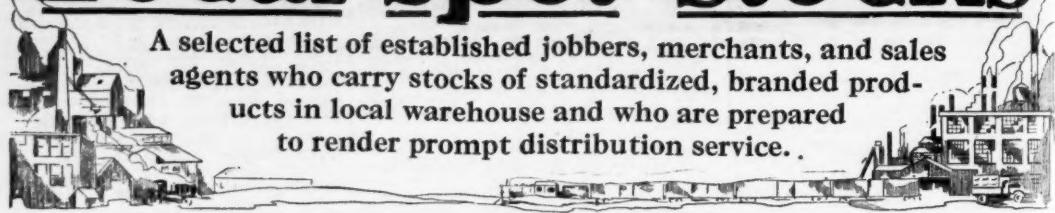
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Wants & Offers

Bids and Proposals

PANAMA CIRCULAR 1657—The general purchasing officer, the Panama Canal, Washington, will open bids March 13 under cir. 1667 for Manganese.

NAVAL SUPPLIES—Bids are wanted on dates indicated by the Bureau of Supplies and Accounts, Navy Dept., Washington, for miscellaneous supplies for navy yards and stations: Sched. 330, eastern and western yards, monel metal, opening of March 10. Sched. 3332, eastern and western yards, zinc, opening of March 10. Sched. 3358, South Brooklyn, 150,000 pts. liquid metal polish, opening of March 3.

MISCELLANEOUS—Bids are wanted on dates indicated by the Bureau of Supply, Treasury Department, Washington, for miscellaneous supplies for federal buildings under control of the Treasury Department: Cir. 3385, 5 items of chemicals. Cir. 3448, Drugs and Chemicals. Cir. 3250, 500 lbs. White Lead.

TREASURY DEPARTMENT, Washington, D. C., General Supply Committee will open bids publicly at 10 A.M. March 3rd, for various drugs, medicines and chemicals, paints, photographic supplies, soap, cleaning and polishing compounds, laboratory supplies and hospital appliances. Write for lists.

PAINTS and OILS—D. C. Commissioners—The Commissioners of the District of Columbia, Washington, will receive bids until 2 p.m. March 9 at room 500, District Building, for annual supplies for the fiscal year beginning July 1, 1925, as follows:—Colors, Bronze, Brushes, Charcoal, Enamels, Paints, Ground Glass, Glass, Glue, Gold Leaf, Gypsum, Arsenate of Lead, Paint, Pitch, Glaziers' Points, Putty, Rosin, Shellac, Stain, Turpentine, Pine Tar, Varnish, Whiting, Zinc, Oxide, Lubricating Graphite, Grease, Floor Oil, Fuel Oil, Lard Oil, Lubricating Oil, Neatsfoot Oil, 3-in-1 Oil and Paraffin Wax.

SODIUM HYPOCHLORITE—In the market for supplies of a 14% Solution. If you can supply, write with prices and packing to Landscape Specialty Co., 521 Elm St., Sandusky, Ohio.

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Index To Advertisers

Alsop Engr. Co.	537
American-British Chemical Supplies, Inc.	524
American Cyanamid Co.	596
American Oil & Supply Co.	625
American Trona Corp.	613
Ammonia Corporation, The	591
Arkell Safety Bag Co.	560
Arnold Hoffman & Co.	333
Atkins & Co., E.	604
Baird & McGuire	614
Barlow, Joe	626
Barrett Co., The	610
Barrett Co., M. L.	616
Battelle & Renwick	610
Benkert & Co., W.	595
Benner Chem. Co.	624
Berg Industrial Alcohol Co., David	536
Bush, Burton T.	605
Bush & Co., W. J.	618
Cabot, Godfrey L.	597
Calco Chemical Co.	1st cover
Campbell & Co., John	524
Carbide & Carbon Chemical Corp.	595
Carboy Co., The	550
Carlton, A. S.	613
Carus Chemical Co.	612
Chemical Age, The	619
Chemical Utilities Co.	626
Chemical Works "Naarden"	615
Chemische Fabrik, Dr. H. Stoltzenberg	529
Church & Dwight	612
Cleveland-Cliffs Iron Co., The	561
Cold Springs Wintergreen Distillery	609
Commercial Solvents Co.	609
Compagnie Duval	616
Consumers Chem. Co.	626
Cooper & Co., Chas.	591
Coyne Chem. Co., Geo. S.	626
Cronkhite, Inc., Leonard W.	625
Daigler & Co., A.	624
Diamond Alkali Co.	606
Doe & Ingalls	625
Dovan Chem. Corp.	598
Dow Chemical Co., The	559
Drury & Co., A. C.	624
du Pont de Nemours & Co., E. I.	599
Dye Products & Chemical Co.	528
Eastman Kodak Co.	377
Eaton-Clark Co.	625
Economic Machinery Co.	—
Electro Bleaching Gas Co.	605
Federal Products Co., The	623
Fergusson, Jr., Alex. C.	626
Fougera & Co., E.	524
Fries & Fries Co., The	620
Fritzsche Bros.	618
General Chemical Co.	593
George Chemicals, Inc., W. F.	621
Grasselli Chemical Co.	594
Dyestuff Department	372
Gray & Co., William S.	410
Greeff & Co., R. W.	600
Hammill & Gillespie	599
Harshaw, Fuller & Goodwin Co.	597
Harwood Drug Co., The	612
Howe & French	624
Industrial Chemical Co.	600
Innis Speiden & Co.	601
International Salt Co.	457

(Continued on page 630)

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Meta Phenylene Diamine	
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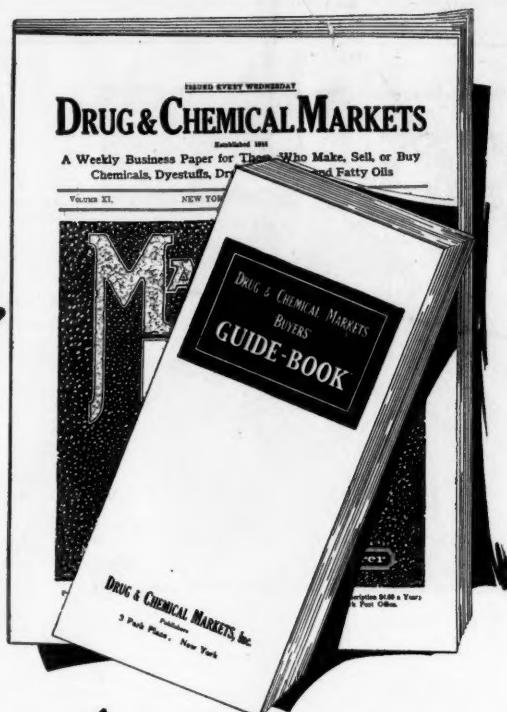
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Index to Advertisers

(Continued)

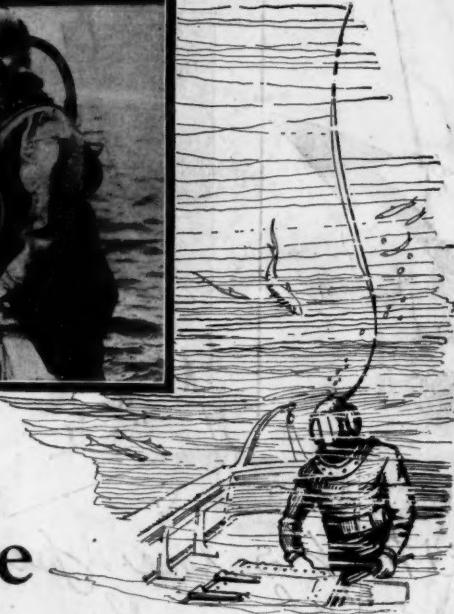
Jordan Coal Tar Products Co.	612
Kessler Chem. Co. The	627
King & Co., E. & F.	623
Knitting Arts Exhibition	—
Lawson Corp., William C.	613
Lennig & Co., Chas.	626
Magnus, Mabee & Reynard, Inc.	619, 620
Mallinckrodt Chemical Works	598
Mann & Co., George	626
Martin, Gustav	623
Mathieson Alkali Works	562
May & Baker	613
Merchants Chem. Co.	624
Merck & Co.	486
Merrimac Chem. Co.	334
Metz & Co., H. A.	561
Michigan Alkali Co.	608
Millard-Heath Co.	625
Miner Laboratories, The	623
Miner-Edgar Co., The	592
Monarch Nusbaum Paper Box Co.	409
Monsanto Chemical Works	602
Morana, Incorporated	617
Newport Chemical Works	613, 629
New York Quinine & Chemical Works	591
Norvell Chemical Corp.	596
Pacific Coast Borax Co.	615
Parsons & Petit	529
Peabody & Co., Henry W.	621
Philippeau, J. L.	536
Pickwick Arms	543
Pierce & Stevens	626
Pfaltz & Bauer	552
Powers-Weightman-Rosengarten Co.	591
Presman Company, B.	536
Proffitt, M. E.	515
Raab & Co., H.	520
Rare Metal Products Co.	611
Rhodia Chemical Co.	616
Rieha, Marshall	624
Robins & Co., G. S.	62
Rodgers Chem Co.	626
Roessler & Hasslacher Chemical Co., The	4th cover
Rogers & McClellan	625
Rohm & Haas Co.	519
Rolls Chem. Co.	626
Ross-Gould Co.	460
Rudloff, F.	394
Seaboard Chemical Co.	604
Selden Co., The	603
Solvay Process Co.	607
Steel Drum & Barrel Co.	550
Sterling Borax Co.	614
Suter & Co., Eugene	519
Thompson, Hayward & Schlueter	625
Uhe, Geo.	614
Ulrich Chem. Co., The	624
Ungerer & Co.	617
U. S. By-Products Chlorides Co.	614
U. S. Industrial Alcohol Co.	630
U. S. Industrial Chemical Co.	630
Victor Chemical Works	601
Vietor & Hosken	609
Warner Chemical Co, The	2nd cover
West Co., H. T.	624
Whitelaw Bros. Chem. Co.	625
Wilson Laboratories, The	452
Wing & Evans	607
Winkler & Bro. Co., Isaac	611
Wishnick-Tumpeer Chem. Co.	624

.. 612
.. 627
.. 625
.. 613
.. 626
9, 620
.. 598
.. 626
.. 623
.. 562
.. 615
.. 624
.. 486
.. 334
.. 561
.. 608
.. 625
.. 623
.. 592
.. 409
.. 602
.. 617
3, 629
.. 591
.. 596
.. 615
.. 529
.. 621
.. 536
.. 543
.. 626
.. 552
.. 591
.. 536
.. 615
.. 520
.. 611
.. 616
.. 624
.. 62
.. 626
cover
.. 625
.. 519
.. 626
.. 460
.. 394
.. 604
.. 603
.. 607
.. 550
.. 614
.. 519
.. 625
.. 614
.. 624
.. 617
.. 614
.. 630
.. 630
.. 601
.. 609
cover
.. 624
.. 625
.. 452
.. 607
.. 611
.. 624



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